



# **STIC Search Report**

## **Biotech-Chem Library**

**STIC Database Tracking Number: 108436**

**TO: Shailendra Kumar**  
**Location: 7a07 / 7e12**  
**Wednesday, November 26, 2003**  
**Art Unit: 1621**  
**Phone: 308-4519**  
**Serial Number: 10 / 001293**

**From: Jan Delaval**  
**Location: Biotech-Chem Library**  
**CM1-1E07**  
**Phone: 308-4498**  
**jan.delaval@uspto.gov**

### **Search Notes**

Jan Delaval  
Reference Librarian  
Biotechnology & Chemical Library  
CM1 1E07 - 703-308-4498  
jan.delaval@uspto.gov



# STIC SEARCH RESULTS FEEDBACK FORM

## Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher* or contact:

Mary Hale, Information Branch Supervisor  
308-4258, CM1-1E01

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/Biotech-Chem Library CM1 – Circ. Desk



=> fil reg

FILE 'REGISTRY' ENTERED AT 15:13:39 ON 26 NOV 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 NOV 2003 HIGHEST RN 620927-08-4

DICTIONARY FILE UPDATES: 25 NOV 2003 HIGHEST RN 620927-08-4

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

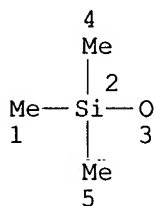
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d sta que 161

L56 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

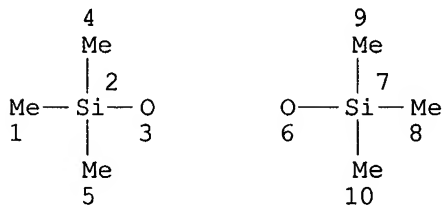
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE

L58 77076 SEA FILE=REGISTRY SSS FUL L56

L59 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 10

Jan Delaval  
Reference Librarian  
Biotechnology & Chemical Library  
Civ 1E07 - 703-308-4498  
[jan.delaval@uspto.gov](mailto:jan.delaval@uspto.gov)

STEREO ATTRIBUTES: NONE

L61 25444 SEA FILE=REGISTRY SUB=L58 SSS FUL L59

100.0% PROCESSED 31894 ITERATIONS

25444 ANSWERS

SEARCH TIME: 00.00.01

=&gt; d his

(FILE 'HOME' ENTERED AT 13:55:17 ON 26 NOV 2003)  
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 13:55:24 ON 26 NOV 2003

L1 1 S US20030082128/PN  
SEL RN

FILE 'REGISTRY' ENTERED AT 13:57:26 ON 26 NOV 2003

L2 10 S E1-E10

FILE 'HCAPLUS' ENTERED AT 13:58:43 ON 26 NOV 2003

L3 1190 S E2  
E CYCLOMETHICONE/CT  
E E3 ALL  
E CYCLOMETHICONE/CT  
E E3+ALL  
E CYCLOSILOXANE/CT  
E E29+ALL  
L4 3134 S E7  
L5 793 S E6  
L6 4543 S E14-E19  
E SILOXANE/CT  
L7 8040 S E205  
L8 54838 S E212  
E E205+ALL  
L9 39466 S E2  
L10 105752 S L3-L9  
L11 17066 S L10 (L) (DIMETHYL OR DIME OR DI() (ME OR METHYL))  
L12 416 S L10 (L) (DIETHYL OR DIET OR DI() (ET OR ETHYL))  
L13 74 S L10 (L) (DIMETHYLETHYL OR DI ME ET OR DIMETHYL ET OR DIME ET)  
L14 3573 S DIMETHYLPOLYSILOXANE OR DIETHYLPOLYSILOXANE OR DIMETHYLETHYLP  
L15 958 S (DIMETHYL OR DIETHYL OR DIMETHYLETHYL) (L) POLYSILOXANE OR CYCL  
L16 17043 S SILICON#(2A)OIL  
L17 115106 S L3-L16  
E LEGROW G/AU  
L18 79 S E3-E8  
E KLUG P/AU  
L19 69 S E3,E8  
E SIMSCH W/AU  
L20 7 S E4  
L21 42 S L18-L20 AND L17  
E CLARIANT/PA,CS  
L22 1378 S CLARIANT?/PA,CS  
L23 62 S L17 AND L22  
L24 98 S L21,L23

FILE 'REGISTRY' ENTERED AT 14:32:12 ON 26 NOV 2003

L25 2 S (DIMETHICONOL OR DIETHICONOL)/CN  
L26 1 S 56275-01-5

FILE 'HCAPLUS' ENTERED AT 14:32:33 ON 26 NOV 2003

L27 1215 S L25 OR L26  
L28 4 S L18-L20,L22 AND L27

L29 98 S L24,L28  
L30 115340 S L17,L27  
L31 250 S ORGANIC OIL  
L32 2352 S OIL#/CW (L) ORGANIC  
L33 100 S L30 AND L32,L32  
E HYDROCARBON/CT  
L34 34492 S E6  
L35 879 S E18,E20,E24  
L36 127136 S E68  
L37 6312 S E135  
L38 4852 S E136  
L39 30 S E141,E142  
L40 417 S E155  
L41 15807 S E165,E166  
L42 225830 S HYDROCARBON#/CW  
L43 4355 S L30 AND L34-L42  
E ESTERS/CT  
L44 1697 S L30 AND ESTER#/CW  
E FATTY ACIDS/CT  
L45 2868 S L30 AND E3  
L46 2868 S (FATTY(L)ACID#)/CW AND L30  
E ALCOHOLS/CT  
E ALCOHOLS (L) FATTY/CT  
L47 834 S E3-E8 AND L30  
E TRIGLYCERIDE/CT  
E E9+ALL  
L48 960 S E2 AND L30  
L49 960 S GLYCERIDE#/CW AND L30  
E PERFLUOR/CT  
E E77+ALL  
L50 128 S E2 AND L30  
E MONOGLYCERIDE/CT  
L51 181 S E6 AND L30  
E SUGAR ESTER/CT  
E E4+ALL  
L52 30 S E2 AND L30  
L53 18944 S L30 AND (HYDROCARBON OR PERFLUOR?(L)HYDROCARBON OR FLUOR?(L)H  
E ALIPHATIC HYDROCARBON/CT  
E ALIPHATIC/CT  
E E10+ALL  
L54 14 S E2 AND L30  
L55 19849 S L33,L43-L54

FILE 'REGISTRY' ENTERED AT 14:42:43 ON 26 NOV 2003

L56 STR  
L57 50 S L56  
L58 77076 S L56 FUL  
L59 STR L56  
L60 50 S L59 SAM SUB=L58  
L61 25444 S L59 FUL SUB=L58

FILE 'HCAPLUS' ENTERED AT 14:45:29 ON 26 NOV 2003

L62 1046 S L61 AND L55  
L63 7 S L24 AND L62  
L64 9 S L2 AND L24  
L65 10 S L1,L63,L64  
SEL RN

FILE 'REGISTRY' ENTERED AT 14:47:03 ON 26 NOV 2003

L66 72 S E1-E72  
L67 38 S L66 AND SI/ELS  
L68 19 S L67 AND SI>=3  
L69 19 S L67 NOT L68

L70 3 S L69 AND L2,L25,L26  
L71 22 S L68,L70

FILE 'HCAPLUS' ENTERED AT 14:49:47 ON 26 NOV 2003  
L72 10 S L71 AND L65

FILE 'REGISTRY' ENTERED AT 14:52:24 ON 26 NOV 2003  
L73 1 S 9016-00-6  
L74 1 S 18748-98-6

FILE 'HCAPLUS' ENTERED AT 14:52:47 ON 26 NOV 2003  
L75 358 S L62 AND COSMETIC#/SC,SX  
L76 251 S L62 AND COSMETIC#/CW  
E COSMETICS/CT  
E E3+ALL  
L77 347 S L62 AND E2,E1+NT  
L78 126 S L62 AND E30+NT  
L79 105 S L62 AND PHARMACEUT?/SC,SX  
E DRUG/CT  
E E18+ALL  
L80 33 S L62 AND E3,E4,E2+NT  
L81 129 S L75-L80 AND ?EMULS?  
L82 114 S L75-L80 AND MIX?  
L83 8 S L75-L80 AND FREE(L)SURFACTANT  
L84 17 S L72,L83  
L85 7 S L81,L82 AND L84  
L86 137 S L75-L85 AND HAIR  
L87 121 S L86 AND (PD<=20011024 OR AD<=20011024 OR AD<=20011024)  
L88 79 S L87 NOT POLYOXYALK#/CW  
L89 76 S L88 NOT ONIUM/CW  
L90 53 S L89 NOT SURFACTANT#/CW  
L91 45 S L90 NOT AMINO-  
L92 43 S L91 NOT VINYL/CW  
L93 41 S L92 NOT AMINE#/CW  
L94 36 S L93 NOT ?CELLULOS?  
L95 34 S L94 NOT (POLYAMINE# OR POLYAMIDE#)/CW  
L96 5 S L95 AND SILICON# OIL  
L97 10 S L95 AND SILICON#(L)OIL  
L98 10 S L96,L97  
L99 9 S L98 NOT VINYL/TI  
L100 18 S L65,L99  
L101 23 S L95 NOT L96-L100  
SEL HIT RN L100

FILE 'REGISTRY' ENTERED AT 15:08:48 ON 26 NOV 2003  
L102 23 S E1-E23  
L103 18 S L102 NOT (N/ELS OR C13H22O3SI2 OR C9H22O3SI2 OR C8H20O3SI2)

FILE 'HCAPLUS' ENTERED AT 15:11:26 ON 26 NOV 2003  
L104 6309 S L103  
SEL HIT RN L100  
DEL SEL  
L105 1 S L100 NOT L104  
L106 17 S L100 NOT L105

FILE 'REGISTRY' ENTERED AT 15:13:39 ON 26 NOV 2003

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 15:13:59 ON 26 NOV 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 26 Nov 2003 VOL 139 ISS 22  
FILE LAST UPDATED: 25 Nov 2003 (20031125/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d 1106 all tot

L106 ANSWER 1 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2003:434126 HCAPLUS

DN 139:11874

TI Multiphase cosmetic compositions that are dispensed as foames from a container

IN Henning, Torsten

PA Clariant Gmbh, Germany

SO Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

DT Patent

LA German

IC ICM A61K007-42

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1316300	A1	20030604	EP 2002-25778	20021116
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	DE 10159002	A1	20030618	DE 2001-10159002	20011130
	JP 2003238374	A2	20030827	JP 2002-347635	20021129
PRAI	DE 2001-10159002	A	20011130		

AB The invention concerns cosmetic multiphase systems that are composed of at least one oily phase and one aqueous phase and that are used to prepare foams by

dispensers with or without propellants. Sunscreen compns. are prepared Thus a sunscreen foam was mixed from three phases; after mixing two phases were formed. The component phases contained (weight/weight%): A: Eusolex 2292 8.00; Eusolex HMS 8.00; Eusolex 9020 4.00; Eusolex 6300 4.00; iso-Pr palmitate 2.00; SilCare Silicone 41M15 1.00; Eutanol G 2.00; B: Eusolex 232 4.00; Tromethamine 2.21; glycerin 7.00; panthenol 0.50; Hostapon CLG 1.00; water to 100; preservative q.s.; sodium chloride 1.00; C: perfume 0.30. The three component phases formed an oily and an aqueous phase and were filled into a finger pump foamer container.

ST cosmetic foam sunscreen multiphase compn

IT Cosmetics

(foams; multiphase cosmetic compns. that are dispensed as foames from a container)

IT Electrolytes

Propellants (fuels)

Sunscreens

Surfactants

Viscosity

(multiphase cosmetic compns. that are dispensed as foames from a container)

IT Fats and Glyceridic oils, biological studies

**Polysiloxanes, biological studies**

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(multiphase cosmetic compns. that are dispensed as foames from a container)

IT Fats and Glyceridic oils, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(vegetable; multiphase cosmetic compns. that are dispensed as foames from a container)

IT 142-91-6, Isopropyl palmitate 5333-42-6, Eutanol G 7647-14-5, Sodium chloride, biological studies 16177-21-2D, Sodium glutamate, N-cocoyl derivative 17955-88-3, SilCare 41M15 29923-31-7, Sodium N-lauroyl glutamate

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(multiphase cosmetic compns. that are dispensed as foames from a container)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE .

(1) Nestle Sa; WO 0135904 A 2001 HCAPLUS

(2) Nestle Sa; DE 19955375 A 2001 HCAPLUS

(3) Sebapharma Gmbh & Co; DE 19742480 A 1999 HCAPLUS

(4) Taniguchi, T; US 5635469 A 1997

(5) Unilever Plc; EP 1108421 A 2001 HCAPLUS

L106 ANSWER 2 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2003:334385 HCAPLUS

DN 138:343449

TI Homogeneous mixtures of silicone oils and organic oils

IN Legrow, Gary E.; Klug, Peter; Simsch, Waltraud

PA Clariant International, Ltd., Switz.

SO U.S. Pat. Appl. Publ., 7 pp.

CODEN: USXXCO

DT Patent

LA English

IC ICM A61K007-06

ICS A61K007-11; C07F007-02

NCL 424070120

CC 62-1 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003082128	A1	20030501	US 2001-1293	20011024 <--
	EP 1306072	A2	20030502	EP 2002-23437	20021019
	EP 1306072	A3	20030611		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	JP 2003146833	A2	20030521	JP 2002-308358	20021023

PRAI US 2001-1293 A 20011024

AB The invention relates to mixts. comprising (a) at least one **silicone oil**, (b) at least one organic oil (e.g., **hydrocarbon oils**), and (c) at least one organomodified **silicone**, with the proviso that the **silicone oils** are not organomodified silicones. The addition of the organomodified silicones to the **mixts.** permits the compatibilization of the **silicone oils** and organic **oils** and thus the preparation of homogeneous, clear **mixts.** The **mixts.** are useful as a basis for cosmetic and pharmaceutical compns., e.g., **emulsions**. For example, 50 g of Dow Corning 200 Fluid **silicone oil** were added to 50 g of low-viscosity



paraffin oil, forming two immiscible phases. Then, 12% of phenyltrimethicone (SilCare 15M60) was added and the mixture was homogenized by stirring to give a stable, homogeneous mixture

ST **silicone org oil mixt emulsion**

IT **Hair preparations**

(conditioners; homogeneous mixts. of silicone oils and organic oils for cosmetic and pharmaceutical emulsions)

IT **Cyclosiloxanes**

**Polysiloxanes, biological studies**

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(di-Et; homogeneous mixts. of silicone oils and organic oils for cosmetic and pharmaceutical emulsions)

IT **Polysiloxanes, biological studies**

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(di-Me Et; homogeneous mixts. of silicone oils and organic oils for cosmetic and pharmaceutical emulsions)

IT **Polysiloxanes, biological studies**

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(di-Me, Me stearyl; homogeneous mixts. of silicone oils and organic oils for cosmetic and pharmaceutical emulsions)

IT **Cyclosiloxanes**

**Polysiloxanes, biological studies**

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(di-Me; homogeneous mixts. of silicone oils and organic oils for cosmetic and pharmaceutical emulsions)

IT **Cosmetics**

**Drug delivery systems**

(emulsions; homogeneous mixts. of silicone oils and organic oils for cosmetic and pharmaceutical emulsions)

IT **Fatty acids, biological studies**

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(esters; homogeneous mixts. of silicone oils and organic oils for cosmetic and pharmaceutical emulsions)

IT **Alcohols, biological studies**

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(fatty; homogeneous mixts. of silicone oils and organic oils for cosmetic and pharmaceutical emulsions)

IT **Hydrocarbons, biological studies**

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(fluoro; homogeneous mixts. of silicone oils and organic oils for cosmetic and pharmaceutical emulsions)

IT **Esters, biological studies**

**Glycerides, biological studies**

**Hydrocarbon oils**

**Monoglycerides**

**Paraffin oils**

**Perfluorocarbons**

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
USES (Uses)

(homogeneous mixts. of silicone oils and  
organic oils for cosmetic and pharmaceutical  
emulsions)

IT Carbohydrates, biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
USES (Uses)

(sugar esters; homogeneous mixts. of  
silicone oils and organic oils for cosmetic  
and pharmaceutical emulsions)

IT 195868-36-1, Phenyltrimethicone

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
USES (Uses)

(SilCare 15M60, SilCare 15M50, SilCare 15M40; homogeneous mixts  
of silicone oils and organic oils for  
cosmetic and pharmaceutical emulsions)

IT 187593-69-7, SilCare 31M30

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
USES (Uses)

(SilCare 31M60, SilCare 31M50, SilCare 31M40, SilCare 31M30;  
homogeneous mixts. of silicone oils and  
organic oils for cosmetic and pharmaceutical emulsions  
)

IT 139614-44-1, Laurylmethicone

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
USES (Uses)

(SilCare 41M20; homogeneous mixts. of silicone  
oils and organic oils for cosmetic and pharmaceutical  
emulsions)

IT 167160-55-6, Stearylmethicone

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
USES (Uses)

(SilCare 41M30; homogeneous mixts. of silicone  
oils and organic oils for cosmetic and pharmaceutical  
emulsions)

IT 17955-88-3, SilCare 41M15 31692-79-2,  
Dimethiconol 42557-10-8, Dow Corning 200  
56275-01-5, Poly(trimethylsiloxysilicate)  
56746-86-2, SilCare 41M10 163836-21-3,  
Diethiconol

RL: COS (Cosmetic use); THU (Therapeutic use)  
(homogeneous mixts. of silicone oils and  
organic oils for cosmetic and pharmaceutical emulsions  
)

L106 ANSWER 3 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2003:319258 HCAPLUS

DN 138:343468

TI High-purity phenylsilsesquioxane liquids for cosmetic and pharmaceutical  
compositions

IN Legrow, Gary E.; Terry, W. Leonard; Figueroa, Ray

PA Clariant International, Ltd., USA

SO U.S. Pat. Appl. Publ., 8 pp.

CODEN: USXXCO

DT Patent

LA English

IC ICM A61K007-06

ICS A61K007-11

NCL 424070121

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003077240	A1	20030424	US 2001-2709	20011024
	EP 1306076	A2	20030502	EP 2002-23439	20021019
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	JP 2003221306	A2	20030805	JP 2002-308356	20021023
PRAI	US 2001-2709	A	20011024		
AB	The invention relates to the use of phenylsilsesquioxane liqs. wherein the phenylsilsesquioxanes are substantially free from alkoxysilanes, chlorosilanes, silanols, hexamethyl disiloxanes, organic compds. and inorg. compds., for the preparation of cosmetic and pharmaceutical compns. Thus, a 2-in-1 conditioning shampoo contained Rhodapex ES 2 49.80, Rhodapon SB 8208/S 13.60, Crosultaine C 50 8.10, Colamid CMA 5.10, Gafquat 734 1.60, Brij 721 0.90, Brij 72 0.10, SilCare 15M40 1.00, panthenol 1.00, Nipagin M 0.20, Nipasol M 0.10, disodium EDTA 0.10, fragrance 0.30, and water qs to 100%.				
ST	pharmaceutical phenylsilsesquioxane; cosmetic phenylsilsesquioxane				
IT	Silsesquioxanes				
	RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)				
	(Ph; high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical compns.)				
IT	Shampoos				
	(conditioning; high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical compns.)				
IT	Cosmetics				
	(creams; high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical compns.)				
IT	<b>Polysiloxanes, biological studies</b>				
	RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)				
	(di-Me, Me stearyl, SilCare 41M65; high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical compns.)				
IT	Hair preparations				
	(gels; high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical compns.)				
IT	Antiperspirants				
	Cosmetics				
	Drug delivery systems				
	Sunscreens				
	Viscosity				
	(high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical compns.)				
IT	<b>Polysiloxanes, biological studies</b>				
	Silsesquioxanes				
	RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)				
	(high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical compns.)				
IT	Cosmetics				
	(moisturizers; high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical compns.)				
IT	195868-36-1, SilCare 15M40				
	RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)				
	(SilCare 15M30, SilCare 15M60, SilCare 15M50; high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical compns.)				
IT	160511-97-7DP, trimethylsilyl-terminated				
	RL: COS (Cosmetic use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical compns.)				

IT 18748-98-6, SilCare 1M71 51350-55-1, Phenylsilsesquioxane  
**56746-86-2**, Silcare 41M10 157374-41-9, Phenylsilsesquioxane  
 304430-48-6, Silcare 31M50 516448-09-2, SilCare 41M80  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical  
 compns.)

IT 107-46-0, Hexamethyldisiloxane  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (high-purity phenylsilsesquioxane liqs. for cosmetic and pharmaceutical  
 compns.)

L106 ANSWER 4 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2003:255390 HCAPLUS

DN 138:292406

TI Oily compositions containing **hydrocarbon** oil and/or butyl  
 stearate, polyolefins, and oil-swellable powders

IN Hayashi, Hiroyuki

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K047-32

ICS A61K007-00; A61K007-06; A61K007-32; A61K009-06; A61K047-02;  
 A61K047-06; A61K047-12; A61K047-14; A61P029-00

CC 62-4 (Essential Oils and **Cosmetics**)

Section cross-reference(s): 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003095984	A2	20030403	JP 2001-288328	20010921<--
PRAI	JP 2001-288328		20010921		

AB The invention relates to an oily composition having improved use feel and  
 storage stability without causing withdrawal of oil, wherein the composition is  
 characterized by containing (1) a **hydrocarbon** oil having a viscosity  
 at 40° of ≤ 100 cSt and/or Bu stearate, (2) a polyolefin  
 compound, and (3) an oil-swellable powder. A massaging composition containing  
 squalane 5, silica particle (Sorbosil BFG51) 20, walnut shell particle 1,  
 low-melting-point polyethylene powder 3.5, organo-modified clay mineral  
 (S-Ben N-400) 2.5, polyglyceryl monoisostearate 1, aluminum stearate 1, Bu  
 stearate 35, and liquid paraffin (Cristol 172) balance to 100 % was  
 formulated.

ST **hydrocarbon** oil butyl stearate polyolefin powder oily compn

IT **Silicone** rubber, biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

USES (Uses)

(Trefil E-508; oily compns. containing **hydrocarbon** oil  
 and or Bu stearate polyolefins, oil-swellable powders, and  
 other ingredients)

IT Essential oils

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

USES (Uses)

(eucalyptus; oily compns. containing **hydrocarbon** oil and or Bu  
 stearate polyolefins, oil-swellable powders, and other ingredients)

IT Paraffin oils

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

USES (Uses)

(isoparaffin oils; oily compns. containing **hydrocarbon** oil and or  
 Bu stearate polyolefins, oil-swellable powders, and other ingredients)

IT Essential oils

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

USES (Uses)

- (lavender; oily compns. containing **hydrocarbon** oil and or Bu stearate polyolefins, oil-swellaable powders, and other ingredients)
- IT **Antiperspirants**  
**Cosmetics**  
**Hair preparations**  
(oily compns. containing **hydrocarbon** oil and or Bu stearate polyolefins, oil-swellaable powders, and other ingredients)
- IT Bentonite, biological studies  
**Hydrocarbon oils**  
Jojoba oil  
Paraffin oils  
Polyolefins  
**Polysiloxanes, biological studies**  
Zeolites (synthetic), biological studies  
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(oily compns. containing **hydrocarbon** oil and or Bu stearate polyolefins, oil-swellaable powders, and other ingredients)
- IT Essential oils  
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(peppermint; oily compns. containing **hydrocarbon** oil and or Bu stearate polyolefins, oil-swellaable powders, and other ingredients)
- IT Essential oils  
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(rosemary; oily compns. containing **hydrocarbon** oil and or Bu stearate polyolefins, oil-swellaable powders, and other ingredients)
- IT Walnut  
(shell particle; oily compns. containing **hydrocarbon** oil and or Bu stearate polyolefins, oil-swellaable powders, and other ingredients)
- IT **Drug-delivery systems**  
(topical; oily compns. containing **hydrocarbon** oil and or Bu stearate polyolefins, oil-swellaable powders, and other ingredients)
- IT 9002-88-4, Polyethylene  
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(Suntec PAK 0025, Flo-Beads CL 2080; oily compns. containing **hydrocarbon** oil and or Bu stearate polyolefins, oil-swellaable powders, and other ingredients)
- IT 9005-49-6, Heparin, biological studies  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(heparin-like substances; oily compns. containing **hydrocarbon** oil and or Bu stearate polyolefins, oil-swellaable powders, and other ingredients)
- IT 53-86-1, Indomethacine 58-95-7, Tocopherol acetate 69-72-7, Salicylic acid, biological studies 76-22-2, Camphor 79-81-2, Retinol palmitate 110-27-0, Isopropyl myristate 111-01-3, Squalane 123-95-5, Butyl stearate 404-86-4, Capsaicine 476-66-4, Ellagic acid 483-63-6, Crotonamiton 637-12-7, Aluminum stearate 1327-41-9, Aluminum hydroxychloride 1338-41-6, Sorbitan monostearate 2216-51-5 7631-86-9, Silica, biological studies 7647-14-5, Sodium chloride, biological studies 9002-92-0, Polyoxyethylene lauryl ether 9011-14-7, PMMA 11103-57-4, Vitamin A 12511-31-8, Magnesium aluminate metasilicate 13463-67-7, Titanium oxide, biological studies 13832-70-7, Stearyl glycyrrhetinate 22071-15-4, Ketoprofen 31566-31-1, Glycerol monostearate 42557-10-8, KF-96-300 58253-01-3, SB-300 63705-03-3, Polyglyceryl diisostearate 68890-66-4, Piroctone olamine 83138-62-9, Polyglyceryl isostearate 210357-48-5, New S-Ben D 503857-03-2, KSP 102  
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(oily compns. containing **hydrocarbon** oil and or Bu stearate

polyolefins, oil-swellable powders, and other ingredients)  
 IT 9003-53-6, Polystyrene  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (particles; oily compns. containing **hydrocarbon** oil and or Bu  
 stearate polyolefins, oil-swellable powders, and other ingredients)

L106 ANSWER 5 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:671677 HCAPLUS

DN 137:206176

TI Permanent wave compositions containing **silicon oils**  
 and method for forming permanent waves

IN Mueller, Burkhard; Knappe, Thorsten

PA Hans Schwarzkopf GmbH & Co. KG, Germany

SO Ger. Offen., 22 pp.

CODEN: GWXXBX

DT Patent

LA German

IC ICM A61K007-09

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10109730	A1	20020905	DE 2001-10109730	20010228 <--
	WO 2002067881	A2	20020906	WO 2002-EP1717	20020219
	WO 2002067881	A3	20030227		
	W: BR, CA, CN, CZ, HU, JP, KR, MX, NO, NZ, PL, RU, SI, SK, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	EP 1363586	A2	20031126	EP 2002-700249	20020219
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, CY, TR				
PRAI	DE 2001-10109730	A	20010228		
	WO 2002-EP1717	W	20020219		
AB	The invention concerns a two step permanent <b>hair</b> waving procedure that is performed before or after placing <b>hair</b> onto curlers; the first step involves the treatment with an aqueous keratin-reducing agent and rinsing, the second step is the fixation with an aqueous oxidation agent followed by rinsing; one of the aqueous compns. contains a <b>silicon oil</b> . Other ingredients are <b>fatty acid</b> and <b>fatty alc. esters</b> , dialkyl carbonates, carbohydrates, protein hydrolyzates, arginine, asparagine, aspartic acid, histidine, ornithine and lysine. Thus Phase 1 contained (weight/weight%): ammoniumthioglycolate (71% aqueous solution) 18.20; ammoniumthiolactate (70% aqueous solution) 1.30; urea 2.10; Turpinal SL 0.30; 1,2-propylene glycol 2.10; ammonia (25% aqueous solution) 2.60; ammonium hydrogen carbonate 6.00; Gluadin WQ 0.06; Merquat 100 0.06; Lamepon S 0.53; water to 100. Phase 2 included (weight/weight%): Myritol 331 10.00; perfume 10.0; C.I. 12700 0.005; C.I. 61565 0.0008; Dow Corning 345 ad 100.				
ST	permanent wave <b>hair</b> prepn <b>silicone oil</b>				
IT	<b>Glycerides, biological studies</b> RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (coco; permanent wave compns. containing <b>silicon oils</b> and method for forming permanent waves)				
IT	<b>Fatty acids, biological studies</b> RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) ( <b>esters</b> ; permanent wave compns. containing <b>silicon oils</b> and method for forming permanent waves)				
IT	<b>Alcohols, biological studies</b> RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) ( <b>fatty, esters</b> ; permanent wave compns. containing				

silicon oils and method for forming permanent waves)

IT Oxidizing agents  
Reducing agents  
Viscosity  
(permanent wave compns. containing **silicon oils** and  
method for forming permanent waves)

IT Carbohydrates, biological studies  
**Polysiloxanes, biological studies**  
Protein hydrolyzates  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(permanent wave compns. containing **silicon oils** and  
method for forming permanent waves)

IT **Hair preparations**  
(permanent wave; permanent wave compns. containing **silicon  
oils** and method for forming permanent waves)

IT 56-84-8, L-Aspartic acid, biological studies 56-87-1, L-Lysine,  
biological studies 70-26-8, L-Ornithine 70-47-3, L-Asparagine,  
biological studies 71-00-1, L-Histidine, biological studies 74-79-3,  
L-Arginine, biological studies 541-02-6, DC 345 1680-31-5,  
Cetiol CC 5421-46-5, Ammoniumthioglycolate 13419-67-5  
42557-10-8, DC 200 188571-05-3, Gluadin WQ  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(permanent wave compns. containing **silicon oils** and  
method for forming permanent waves)

L106 ANSWER 6 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:428955 HCAPLUS

DN 137:24142

TI Surfactant-free cosmetic, dermatological and pharmaceutical agents

IN Loeffler, Matthias; Morschhaeuser, Roman

PA **Clariant GmbH, Germany**

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DT Patent

LA German

IC ICM C08F291-00

ICS A61K007-48; A61K007-06; C08F290-06; C08L051-00; C08F002-00

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

FAN.CNT 16

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002044231	A1	20020606	WO 2001-EP13860	20011128
W: BR, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
DE 10059821	A1	20020613	DE 2000-10059821	20001201
JP 2002201111	A2	20020716	JP 2001-295992	20010927
EP 1339766	A1	20030903	EP 2001-998570	20011128
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
BR 2001015810	A	20030916	BR 2001-15810	20011128
PRAI DE 2000-10059821	A	20001201		
WO 2001-EP13860	W	20011128		

AB The invention relates to surfactant-free cosmetic, dermatol. and pharmaceutical agents that contain at least one copolymer, obtainable by radical copolymn. of (A) acryloyldimethyltaurine acid and/or acryloyldimethyltaurates, (B) optionally one or more other olefinically unsatd., non-cationic comonomers, (C) optionally one or more olefinically unsatd., cationic comonomers, (D) optionally one or more silicon-containing component(s), (E) optionally one or more fluorine-containing component(s), and (F) optionally one or more macromonomers, with the copolymn. optionally proceeding in the presence of (G) at least one polymer additive, with the

proviso that component (A) is copolymer with at least one component selected from groups (D) to (G). A typical skin lotion with keratolytic action contained 1.0% polymer prepared by polymerization of 80 g AMPS and 0.6 g allyl methacrylate in the presence of 20 g Genapol LA040 (polyethylene glycol C12-14 alkyl ether), 4% mineral oil, 4% almond oil, 8% Cetiol SN, 0.3% Aristoflex AVC, 0.3% citric acid, 0.4% malic acid, 0.7% glycolic acid, 0.7% lactic acid, and 0.3% perfume, with the remainder being water.

ST surfactant free cosmetic acryloyldimethyltaurate based polymer contg;

allyl methacrylate copolymer polyoxyethylene alkyl ether modified skin lotion; skin lotion AMPS copolymer polyoxyethylene alkyl ether modified

IT Alcohols, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(C12-14, ethoxylated, Genapol LA 040, **esters**, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Cosmetics

(conditioners; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(ethers, alkyl, reaction products, with acryloyldimethyltaurate-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(fatty alkyl ethers, **esters**, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Cosmetics

(moisturizers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(polyoxyalkylene-, Y-12867, **esters**, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(polysiloxane-, Y-12867, **esters**, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(reaction products with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation);



## USES (Uses)

(reaction products, with acryloyldimethyltaurate-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

## IT Drugs

(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

## IT Fluoropolymers, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

## IT Alcohols, biological studies

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(tallow, ethoxylated, Genapol T-250, **esters**, with acryloyldimethyltaurine acid-based polymers; surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT 1873-88-7DP, polyoxyalkylene derivs., **esters**, with acryloyldimethyltaurine acid-based polymers 9003-01-4DP, Polyacrylic acid, reaction products with acryloyldimethyltaurine acid-based polymers 9003-05-8DP, Polyacrylamide, reaction products with acryloyldimethyltaurine acid-based polymers 9003-39-8DP, Poly-N-vinylpyrrolidone, reaction products with acryloyldimethyltaurine acid-based polymers 25087-26-7DP, Polymethacrylic acid, reaction products with acryloyldimethyltaurine acid-based polymers 25189-83-7DP, Poly-N-vinylcaprolactam, reaction products with acryloyldimethyltaurine acid-based polymers 25322-68-3DP, Polyethylene glycol, fatty alkyl ethers; **esters**, with acryloyldimethyltaurine acid-based polymers 25322-69-4DP, Polypropylene glycol, reaction products with acryloyldimethyltaurine acid-based polymers 26062-79-3DP, Polydiallyldimethylammonium chloride, reaction products with acryloyldimethyltaurine acid-based polymers 26161-33-1DP, Poly-2-methacryloyloxyethyltrimethylammonium chloride, reaction products with acryloyldimethyltaurine acid-based polymers 26616-03-5DP, Poly-N-vinyl-N-methylacetamide, reaction products with acryloyldimethyltaurine acid-based polymers 28408-65-3DP, Poly-N-vinylacetamide, reaction products with acryloyldimethyltaurine acid-based polymers 31851-82-8DP, Poly-N-vinylmorpholine, reaction products with acryloyldimethyltaurine acid-based polymers 50885-97-7DP, Polyhydroxymethyl methacrylate, reaction products with acryloyldimethyltaurine acid-based polymers 72018-12-3DP, Poly-N-vinylformamide, reaction products with acryloyldimethyltaurine acid-based polymers 201338-09-2DP, 2-Acrylamido-2-methyl-1-propanesulfonic acid-TMPTA copolymer, **esters** with polyethylene glycol monoalkyl ethers 433922-71-5DP, 2-Acrylamido-2-methyl-1-propanesulfonic acid-allyl methacrylate copolymer, **esters** with polyethylene glycol monoalkyl ethers or polyoxyalkylene-polysiloxanes 434938-49-5P

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Anon; Surfactant free-emulsion cosmetics-comprising water, oil component and emulsion and consisting of water-insoluble and water-absorbable polymer V29(83)
- (2) Dubief, C; US 5368850 A 1994 HCAPLUS

- (3) Lee, K; US 3931089 A 1976 HCAPLUS
- (4) Marie-Therese, T; US 6054138 A 2000 HCAPLUS
- (5) Oreal; EP 0815828 A 1998 HCAPLUS
- (6) Oreal; EP 0815844 A 1998 HCAPLUS
- (7) Oreal; EP 0815845 A 1998 HCAPLUS
- (8) Oreal; FR 2791558 A 2000 HCAPLUS
- (9) Schehlmann, V; WO 0012588 A 2000 HCAPLUS

L106 ANSWER 7 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:182185 HCAPLUS

DN 136:217689

TI Cosmetic compositions containing silicone gel

IN Legrow, Gary E.; Terry, W. Leonard

PA Clariant LSM, Inc., USA

SO U.S., 7 pp.

CODEN: USXXAM

DT Patent

LA English

IC ICM C08K005-5419

NCL 524731000

CC 37-6 (Plastics Manufacture and Processing)

Section cross-reference(s): 39, 62

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6355724	B1	20020312	US 2000-730913	20001206
	JP 2002179919	A2	20020626	JP 2001-286714	20010920
	EP 1219289	A2	20020703	EP 2001-811174	20011204
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

PRAI US 2000-730913 A 20001206

AB The present invention relates to improved and novel silicone gel compns. comprising at least one low mol. weight volatile organosilicone fluid and at least one elastomer-like silicone composition as matrix. The improved silicone gels of the invention can readily and easily be spread on the skin and possess a desirable dull appearance during application. The silicone films which result after the gel has remained on the skin about 15 to 20 min after application, are smooth, slippery, non-tacky and non-shiny with a low detectable residue thereof. Silicone gels applied in alkylsiloxanes exhibit significant improvements over those applied in permethylcyclsiloxanes or in other known media or by known methods.

ST silicone gel volatile siloxane fluid cosmetic

IT Cosmetics

(cosmetic compns. containing silicone gel)

IT Silicone rubber, uses

RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)

(cosmetic compns. containing silicone gel)

IT Polysiloxanes, uses

RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)

(gel; cosmetic compns. containing silicone gel)

IT 31900-57-9D, Polydimethylsiloxane, dimethylvinylsilyl-terminated  
 31900-57-9D, Polydimethylsiloxane, hydrogen-terminated 59942-04-0,  
 Dimethylvinylsilyl-terminated polydimethylsiloxane 107712-53-8, Silicic  
 acid, dimethylvinylsilyl trimethylsilyl ester 115254-29-0,  
 Polydimethylsiloxane, hydrogen-terminated

RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)

(cosmetic compns. containing silicone gel)

IT 18027-45-7, Phenyltris(dimethylsiloxy)silane

RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)

(crosslinker; cosmetic compns. containing silicone gel)  
 IT 1873-90-1 17955-88-3 187592-85-4  
 RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)  
 (volatile fluid; cosmetic compns. containing silicone gel)  
 IT 540-97-6, Dodecamethylcyclhexasiloxane 541-02-6,  
 Decamethylcyclopentasiloxane  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (volatile fluid; cosmetic compns. containing silicone gel)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 RE

- (1) Harashima; US 5929163 A 1999 HCAPLUS
- (2) Kilgour; US 5760116 A 1998 HCAPLUS
- (3) Kuwata; US 4987169 A 1991 HCAPLUS
- (4) Lee; US 5919437 A 1999 HCAPLUS
- (5) Legrow; US 6258365 B1 2001 HCAPLUS
- (6) Schulz; US 5880210 A 1999 HCAPLUS
- (7) Shukuzaki; US 5266321 A 1993 HCAPLUS
- (8) Stepniewski; US 6027738 A 2000 HCAPLUS
- (9) Tiffany; US 5741877 A 1998 HCAPLUS

L106 ANSWER 8 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:297458 HCAPLUS

DN 134:315906

TI Water-in-oil emulsions containing at least one insoluble organic UV filter and a non-filtrating organo-modified **silicone**

IN Candau, Didier; Forestier, Serge

PA L'Oreal, Fr.

SO Eur. Pat. Appl., 28 pp.

CODEN: EPXXDW

DT Patent

LA French

IC ICM A61K007-42

ICS A61K007-40; A61K007-02; A61K007-06

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1093799	A1	20010425	EP 2000-402819	20001012 <--
	EP 1093799	B1	20020807		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2799963	A1	20010427	FR 1999-13219	19991022 <--
	FR 2799963	B1	20020719		
	AT 221767	E	20020815	AT 2000-402819	20001012 <--
	ES 2181633	T3	20030301	ES 2000-402819	20001012 <--
	AU 742925	B2	20020117	AU 2000-66637	20001020 <--
	BR 2000005154	A	20010529	BR 2000-5154	20001023 <--
	JP 2001151657	A2	20010605	JP 2000-361938	20001023 <--
	US 6403061	B1	20020611	US 2000-693888	20001023 <--
PRAI	FR 1999-13219	A	19991022		

OS MARPAT 134:315906

AB Water-in-oil emulsions containing at least one insol. organic UV filter and a non-filtrating organo-modified **silicone** are disclosed for photoprotection of skin and hair. An emulsion contained Abil EM90D 2, phenyltrimethylsiloxaytrisiloxane 3, Witconol TN 8, Tinosorb M 5, drometrizole trisiloxane 2, 2,4-bis{[4-2-ethylhexyloxy]-2-hydroxyphenyl}-6-(4-methoxyphenyl)-1,3,5-triazine 2, titanium oxide 3, glycerin 5, magnesium sulfate 0.7, preservatives and water q.s. 100 g.

ST hair skin sunscreen emulsion polysiloxane

IT Polyelectrolytes

(anionic; **emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT Polyelectrolytes  
(cationic; **emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT **Cosmetics**  
(emollients; **emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT Perfumes  
Preservatives  
Propellants (sprays and foams)  
Sequestering agents  
**Shampoos**  
Stabilizing agents  
**Sunscreens**  
Sweetening agents  
Thickening agents  
(**emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT Acrylic polymers, biological studies  
Oxides (inorganic), biological studies  
Polymers, biological studies  
**Polysiloxanes, biological studies**  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(**emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT Acids, uses  
RL: NUU (Other use, unclassified); USES (Uses)  
(**emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT Alkali metal-hydroxides  
RL: NUU (Other use, unclassified); USES (Uses)  
(**emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT **Cosmetics**  
(**emulsions**; **emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(**esters**; **emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT **Sunscreens**  
(gels; **emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT **Cosmetics**  
(makeups; **emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT **Cosmetics**  
(moisturizers; **emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT Solvents  
(organic; **emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT **Sunscreens**  
(sticks; **emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT **Hair preparations**  
(sunscreens; **emulsions** containing one or more insol. organic UV-filter and associative polymer)

IT 145686-34-6, Abil EM 90  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

## (Uses)

(Abil EM 90D; emulsions containing one or more insol. organic UV-filter and associative polymer)

IT 51-17-2D, Benzimidazole, derivs. 69-72-7D, Salicylic acid, derivs.  
76-22-2D, Camphor, derivs. 119-61-9D, Benzophenone, derivs. 120-46-7D,  
Dibenzoylmethane, derivs. 621-82-9D, Cinnamic acid, derivs. 1314-13-2,  
Zinc oxide, biological studies 1314-23-4, Zirconium oxide, biological  
studies 1321-11-5D, Aminobenzoic acid, derivs. 1332-37-2, Iron oxide,  
biological studies 2116-84-9, Dow Corning 556 3846-71-7  
11129-18-3, Cerium oxide 13463-67-7, Titanium oxide, biological studies  
15087-24-8D, Benzylidene camphor, derivs. 25973-55-1 30653-05-5  
36437-37-3 57791-75-0, Ethyl 3-octylamino-2-butenate 70321-86-7  
88122-99-0 88620-50-2, 4-Octylamino-3-penten-2-one 88620-51-3  
88620-52-4 103597-45-1, Tinosorb M 106556-36-9 150771-68-9  
150771-71-4 154702-15-5 154778-80-0 155633-54-8,  
Drometrizole trisiloxane 162245-07-0 187393-00-6 189622-92-2  
194731-15-2 194731-16-3 194731-17-4 194731-18-5

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

## (Uses)

(emulsions containing one or more insol. organic UV-filter and associative polymer)

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) L'Oreal; FR 2771926 A 1999 HCAPLUS

L106 ANSWER 9 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:784315 HCAPLUS

DN 133:339979

TI Delivery of hydroxy carboxylic acids

IN Legrow, Gary E.; Terry, W. Leonard, Jr.

PA Archimica (Florida), Inc., USA

SO U.S., 7 pp., Cont.-in-part of U.S. Ser. No. 41,173, abandoned.

CODEN: USXXAM

DT Patent

LA English

IC ICM A61K006-00

ICS A61K007-00; A61K031-74; A01N055-00

NCL 424401000

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6143309	A	20001107	US 1998-148675	19980904
	CA 2332114	AA	19990916	CA 1999-2332114	19990310
	WO 9945933	A1	19990916	WO 1999-US5200	19990310
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9930752	A1	19990927	AU 1999-30752	19990310
	EP 1071431	A1	20010131	EP 1999-912365	19990310
	R:	CH, DE, ES, FR, GB, IT, LI			
	JP 2002506035	T2	20020226	JP 2000-535348	19990310
	US 6228380	B1	20010508	US 2000-614581	20000712
	US 6267977	B1	20010731	US 2000-614628	20000712
PRAI	US 1998-41173	B2	19980312		
	US 1998-148675	A	19980904		
	WO 1999-US5200	W	19990310		
OS	MARPAT 133:339979				

- AB The present invention provides greater than 99% pure bis(triorganosilyl)hydroxycarboxylates of the general formulas:  $R_3SiOCHR_1COOSiR_3$  and  $R_3SiOCHR_1R_2COOSiR_3$ , wherein each R is independently a monovalent straight or branched chain alkyl or alkenoyl group having 1-6 carbon atoms, or an aryl group,  $R_1$  may be H, a monovalent straight or branched chain alkyl having 1-18 carbon atoms, or an aryl group,  $R_2$  is a divalent straight or branched chain alkyl having 1-18 carbon atoms, or a straight or branched chain alkylaryl group having 7-18 carbon atoms. A process for producing the bis(trimethylsilyl)hydroxycarboxylates comprises the trimethylsilylation with hexamethyldisilazane of the corresponding hydroxycarboxylic acids. Further disclosed are cosmetic formulations comprising the >99 % pure bis(trimethylsilyl)hydroxycarboxylates dissolved in aprotic media and a method of delivery hydrocarboxylic acids to the epidermis without apparent irritation or inflammation of the epidermis or stratum corneum. A lotion contained 3-n-hexylheptamethyltrisiloxane 50, bis(trimethylsilyl)lactate 25, dimethiconol 18, dimethiconol 18, polybutene 4, caprylyltrimethicone 2, Pareth-15 0.5, and fragrances 0.5 %.
- ST cosmetic hydroxycarboxylate triorganosilylation polysiloxane
- IT **Glycerides, biological studies**  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(C8-10; cosmetics containing bis(trimethylsilyl)hydroxycarboxylates dissolved in aprotic media)
- IT Cosmetics  
(cosmetics containing bis(trimethylsilyl)hydroxycarboxylates dissolved in aprotic media)
- IT **Glycerides, biological studies**  
**Polysiloxanes, biological studies**  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(cosmetics containing bis(trimethylsilyl)hydroxycarboxylates dissolved in aprotic media)
- IT **Cyclosiloxanes**  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(di-Me; cosmetics containing bis(trimethylsilyl)hydroxycarboxylates dissolved in aprotic media)
- IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(hydroxy; cosmetics containing bis(trimethylsilyl)hydroxycarboxylates dissolved in aprotic media)
- IT Cosmetics  
(lotions; cosmetics containing bis(trimethylsilyl)hydroxycarboxylates dissolved in aprotic media)
- IT 1873-90-1 3789-85-3 9003-28-5, Polybutene 9006-65-9, Dimethicone 31692-79-2, Dimethiconol 195868-36-1, Phenyltrimethicone 304430-48-6  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(cosmetics containing bis(trimethylsilyl)hydroxycarboxylates dissolved in aprotic media)
- IT 17596-96-2P, Bis(trimethylsilyl)lactate 33581-77-0P  
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(cosmetics containing bis(trimethylsilyl)hydroxycarboxylates dissolved in aprotic media)
- IT 50-21-5, reactions 69-72-7, reactions 79-14-1, reactions 999-97-3, Hexamethyldisilazane  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of bis(trimethylsilyl)hydroxycarboxylates for cosmetic use)
- RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Amidon; US 5229131 1993
- (2) Anon; "The U S Cosmetics Industry" Special Report AHA Consumer Products 1990 Through 1993
- (3) Anon; <http://www.thriveonline.com@@62AH9wYA2@Hgb2a/thrive/health/skinsave.intro.html> 1997
- (4) DCI; Next Generation of Skin care for aging skin, 1997, P6
- (5) Dansereau; US 5032406 1991 HCAPLUS
- (6) de Lacharriere; US 5714155 1998 HCAPLUS
- (7) Foltz, C; 1967 HCAPLUS
- (8) Foltz, C; 1967 HCAPLUS
- (9) Habif; US 5690947 1997 HCAPLUS
- (10) Hahn; US 5716625 1998 HCAPLUS
- (11) Hahn; A New Line of Defense Against Aging: "Breaking The Irritation Barrier" 1998
- (12) Hendrickson; US 5439689 1995 HCAPLUS
- (13) Imperante; US 5374759 1994 HCAPLUS
- (14) Kawamata; US 5334372 1994 HCAPLUS
- (15) Niebling; Genetic Engineering News, Biotech & Drug Firms Claim Territory in Cosmeceutics 1996
- (16) Oshlack; US 5500227 1996 HCAPLUS
- (17) Parab; US 5420106 1995 HCAPLUS
- (18) Yang; US 5576022 1996 HCAPLUS

L106 ANSWER 10 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:175651 HCAPLUS

DN 132:212525

TI Organosilicone compositions for cosmetics

IN Legrow, Gary E.; Terry, W. Leonard, Jr.

PA Archimica (Florida), Inc., USA

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K006-00

ICS A61K007-06

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000013653	A1	20000316	WO 1999-US13043	19990609
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6258365	B1	20010710	US 1998-149964	19980909
CA 2343637	AA	20000316	CA 1999-2343637	19990609
AU 9944315	A1	20000327	AU 1999-44315	19990609
EP 1112053	A1	20010704	EP 1999-927406	19990609
R: CH, DE, FR, GB, LI				
JP 2002524578	T2	20020806	JP 2000-568462	19990609
PRAI US 1998-149964	A	19980909		
WO 1999-US13043	W	19990609		

OS MARPAT 132:212525

AB The present invention relates to compns. comprising non-toxic and safe for human contact and ingestion volatile or non-volatile silicone-aliphatic hydrocarbon hybrid fluids and a non-volatile silicone-aliphatic hydrocarbon hybrid wax which have the phys. consistency of a gel

which are of use in a wide variety of personal care applications and when applied to the human skin components within these compns. adsorb quickly into the upper layers of the stratum corneum, while other components form non-tacky occlusive films on the outer surface of the stratum corneum. A composition contained 41M80 wax 5, C24-28 alkylheptamethyltrisiloxane wax 5, and 41M10 volatile fluid volatile fluid 40 g.

ST cosmetic organosilicone

IT Cosmetics

(gels; organosilicone compns. for cosmetics)

IT Cosmetics

(organosilicone compns. for cosmetics)

IT **Hydrocarbons, biological studies**

**Polysiloxanes, biological studies**

**Siloxanes (nonpolymeric)**

Waxes

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(organosilicone compns. for cosmetics)

IT Skin

(stratum corneum; organosilicone compns. for cosmetics)

IT 1873-90-1, 3-Hexyl-1,1,1,3,5,5,5,-heptamethyltrisiloxane

2116-84-9, Phenyltris(trimethylsiloxy)silane 17955-88-3

18748-98-6, Stearyloxytrimethylsilane 60111-48-0

139614-44-1 167160-55-6 187592-85-4

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(organosilicone compns. for cosmetics)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Abrutyn; US 5225188 A 1993 HCAPLUS

(2) Bahr; US 5492691 A 1996 HCAPLUS

(3) Giwa-Agbomeirele; US 5413781 A 1995-HCAPLUS

L106 ANSWER 11 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:169318 HCAPLUS

DN 132:212519

TI Cosmetic compositions containing mixtures of trimethylsilylated silicas and alkylsiloxanes safe for human contact

IN **Legrow, Gary E.**

PA Archimica (Florida), Inc., USA

SO U.S., 6 pp.

CODEN: USXXAM

DT Patent

LA English

IC ICM A61K007-00

ICS A61K007-42; A61K007-06

NCL 424401000

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6036967	A	20000314	US 1998-181173	19981028
	CA 2346422	AA	20000504	CA 1999-2346422	19990928
	WO 2000024364	A1	20000504	WO 1999-US22345	19990928
	W:		AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:		GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		



EP 1124530 A1 20010822 EP 1999-954663 19990928  
 R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE, MC, PT,  
 IE, FI

JP 2002528565 T2 20020903 JP 2000-577975 19990928  
 PRAI US 1998-181173 A 19981028  
 WO 1999-US22345 W 19990928

AB The present invention relates to compns. consisting essentially of a narrow dispersity trimethylsilylated silica in a volatile and/or non-volatile silicone-aliphatic **hydrocarbon** hybrid fluid. Improvements in the range of properties and benefits, which the mixts. of the present invention may provide, include a broad range of viscosities, from about 100 cs to about 10000 cs, a higher % **trimethylsiloxysilicate**, a wider range of sensory profiles, and non-occlusivity or occlusivity. In all cases the mixts. are both clear and safe for human contact. Two hundred grams of a product obtained by the reaction of Silbond 40 with hexamethyldisiloxane were mixed with 100 g of 3-n-hexyl-1,1,1,3,5,5,5-hepta-methyltrisiloxane (41M10) and this solution was then stripped free of xylene by heating and stirring the solution under vacuum. After removal of xylene, the resultant product was approx. 50% **trimethylsiloxysilicate** and 50% 41M10.

ST cosmetic trimethylsilylated silica siloxane safety

IT **Esters**, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)

(aliphatic, long-chain; cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

IT **Polysiloxanes**, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)

(alkyl; cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

IT Cosmetics

(cleansing; cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

IT Antibacterial agents

Antiperspirants

Biocides

Cosmetics

Deodorants

Humectants

Insect repellents

Odor and Odorous substances

Perfumes

Pigments, nonbiological

Sunscreens

(cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

IT Waxes

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)

(cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

IT Cosmetics

(emollients; cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

IT **Hydrocarbons**, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)

(long-chain; cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

IT 1873-90-1 7631-86-9D, Silica, trimethylsilylated, biological studies 9016-00-6, Dimethylpolysiloxanes 17955-88-3 60111-48-0 139614-44-1 167160-55-6

187592-85-4

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

IT 541-02-6, Decamethylcyclotetrasiloxane

RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)

(cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

IT 56275-01-5P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

IT 107-46-0, Hexamethyldisiloxane 556-67-2,

Octamethylcyclotetrasiloxane 75831-67-3, Silbond 40

RL: RCT (Reactant); RACT (Reactant or reagent)

(cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

IT 18748-98-6

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(long-chain; cosmetic compns. containing mixts. of trimethylsilylated silicas and alkylsiloxanes safe for human contact)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Guskey; US 5840288 1998 HCAPLUS

(2) Legrow; US 5759529 1998 HCAPLUS

L106 ANSWER 12 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN. 1999:594947 HCAPLUS

DN 131:219148

TI Novel delivery of hydroxy carboxylic acids in cosmetics

IN Legrow, Gary E.; Terry, W. Leonard, Jr.

PA PCR, Inc., USA

SO PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K031-695

CC 63-4 (Pharmaceuticals)

Section cross-reference(s): 35

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9945933	A1	19990916	WO 1999-US5200	19990310
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 6143309	A	20001107	US 1998-148675	19980904
	CA 2332114	AA	19990916	CA 1999-2332114	19990310
	AU 9930752	A1	19990927	AU 1999-30752	19990310
	EP 1071431	A1	20010131	EP 1999-912365	19990310
	R:	CH, DE, ES, FR, GB, IT, LI			
	JP 2002506035	T2	20020226	JP 2000-535348	19990310
PRAI	US 1998-41173	A	19980312		
	US 1998-148675	A	19980904		

WO 1999-US5200 W 19990310

OS MARPAT 131:219148

AB The present invention provides greater than 99% pure bis(triorganosilyl)hydroxycarboxylates of the general formulas:  $R_3SiO-CH(R_1)-COO-SiR_3$  and  $R_3SiO-CH(R_1)-R_2COO-SiR_3$  wherein each R is independently a monovalent straight or branched chain alkyl or alkenyl group having from 1 to about 6 carbon atoms, or an aryl group,  $R_1$  may be hydrogen, a monovalent straight or branched chain alkyl group having from 1 to about 18 carbon atoms, or an aryl group, and  $R_2$  is a divalent straight or branched chain alkyl group having from 1 to about 18 carbon atoms, an aryl group, or a straight or branched chain alkaryl group having from 7 to about 18 carbon atoms; a process for producing the bis(trimethylsilyl)-hydroxycarboxylates comprising the trimethylsilylation with hexamethyldisilazane of the corresponding hydroxy carboxylic acids; cosmetic formulation comprising the greater than 99% pure bis(trimethylsilyl)hydroxycarboxylates dissolved in aprotic media; and a method of delivering hydroxycarboxylic acids to the epidermis without apparent irritation or inflammation of the epidermis or stratum corneum. Lactic acid was reacted with hexamethyldisilazane to obtain bis(trimethylsilyl)lactate (I) having refractive index of 1.4053 and d. of 0.896. A lotion contained 3-N-hexylheptamethyltrisiloxane 50, I 25, dimethiconol 18, polybutene 4, caprylyl trimethicone 2, Pareth-15, and fragrance 0.5%.

ST hydroxy carboxylic acid delivery cosmetic; trimethylsilyl lactate prepn cosmetic lotion

IT **Glycerides, uses**

RL: NUU (Other use, unclassified); USES (Uses)  
(acyl derivs.; novel delivery of hydroxy carboxylic acids in cosmetics)

IT **Cyclosiloxanes**

RL: NUU (Other use, unclassified); USES (Uses)  
(di-Me; novel delivery of hydroxy carboxylic acids  
in cosmetics)

IT Skin

(epidermis; novel delivery of hydroxy carboxylic acids in cosmetics)

IT Silazanes

RL: RCT (Reactant); RACT (Reactant or reagent)  
(hexaorgano derivs.; novel delivery of hydroxy carboxylic acids in  
cosmetics)

IT Carboxylic acids, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hydroxy; novel delivery of hydroxy carboxylic acids in cosmetics)

IT Cosmetics

(lotions; novel delivery of hydroxy carboxylic acids in cosmetics)

IT Cosmetics

Erythema

Solvents

(novel delivery of hydroxy carboxylic acids in cosmetics)

IT Skin, disease

(pigmentation; novel delivery of hydroxy carboxylic acids in cosmetics)

IT Skin

(stratum corneum; novel delivery of hydroxy carboxylic acids in  
cosmetics)

IT **1873-90-1 31692-79-2, Dimethiconol**

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(novel delivery of hydroxy carboxylic acids in cosmetics)

IT **3789-85-3P 17596-96-2P, Bis(trimethylsilyl)lactate**

**33581-77-0P**

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL  
(Biological study); PREP (Preparation); USES (Uses)  
(novel delivery of hydroxy carboxylic acids in cosmetics)

IT 9003-29-6, Polybutene 9006-65-9D, Dimethicone, alkyl derivs.

RL: NUU (Other use, unclassified); USES (Uses)

(novel delivery of hydroxy carboxylic acids in cosmetics)

IT 50-21-5, Lactic acid, reactions 69-72-7, reactions 79-14-1, reactions 999-97-3, Hexamethyldisilazane 2117-18-2, Hexaethyldisilazane 7691-02-3, 1,3-Divinyltetramethyldisilazane 9006-65-9, Dimethicone 17882-94-9, 1,3-Diethyltetramethyldisilazane

RL: RCT (Reactant); RACT (Reactant or reagent)

(novel delivery of hydroxy carboxylic acids in cosmetics)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Amidon; US 5229131 A 1993
- (2) Dansereau; US 5032406 A 1991 HCAPLUS
- (3) Hendrickson; US 5439689 A 1995 HCAPLUS
- (4) Oshlack; US 5500227 A 1996 HCAPLUS
- (5) Yang; US 5576022 A 1996 HCAPLUS

L106 ANSWER 13 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1999:518296 HCAPLUS

DN 131:145284

TI Silicone polyether-stabilized silicone latex solvent thickening

IN Beck, James Anderson; Cobb, Vicky Sue; Cuthbert, Cassie Emelia; Joffre, Eric Jude; O'Neil, Virginia Kay; Wrolson, Burt Michael

PA Dow Corning Corporation, USA

SO U.S., 10 pp., Cont.-in-part of U.S. Ser. No. 897,493, abandoned.

CODEN: USXXAM

DT Patent

LA English

IC ICM C08K005-54

ICS C08K005-06; C08L083-06; A61K007-02; A61K007-021; A61K007-04; A61K007-06; A61K007-32

NCL 524266000

CC 37-6 (Plastics Manufacture and Processing)

Section cross-reference(s): 62

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5939478	A	19990817	US 1997-969888	19971113 <--
	EP 893467	A2	19990127	EP 1998-305752	19980720 <--
	EP 893467	A3	19990203		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 11193331	A2	19990721	JP 1998-205681	19980721 <--
PRAI	US 1997-897493		19970721		
	US 1997-969888		19971113		

AB The viscosity of a solvent is modified by thickening the solvent with a silicone latex. A silicone latex having a plurality of crosslinked polysiloxane particles is first prepared by **mixing** the siloxane polymer, a surfactant, and water; **emulsifying** the mixt . to a gel phase; diluting the **emulsion** with water; adding a cure package (i.e., a catalyst, a crosslinker, or both, or a self catalytic crosslinker); and then without removing the water from the latex and after the particles of siloxane polymer in the latex have been cured, **mixing** the latex and solvent to thicken the solvent, forming viscous liqs., gels, and pastes. Water in the latex thickened solvent composition can be stabilized by adding a silicone polyether during **mixing** of the latex and the solvent. These stabilized latex thickened solvent compns. have beneficial properties such as clarity, shelf stability, and ease of preparation; and therefore have wide areas of application, especially as additives in antiperspirants, deodorants, and other personal care applications.

ST silicone polyether stabilizer latex; cosmetic compn siloxane

IT **Shaving preparations**

(aftershave; silicone polyether-stabilized silicone latex solvent

thickening)

IT **Hair preparations**  
(conditioners; silicone polyether-stabilized silicone latex solvent thickening)

IT **Cosmetics**  
(creams; silicone polyether-stabilized silicone latex solvent thickening)

IT **Cosmetics**  
(depilatories; silicone polyether-stabilized silicone latex solvent thickening)

IT **Cosmetics**  
(eye liners; silicone polyether-stabilized silicone latex solvent thickening)

IT **Cosmetics**  
(face cleansers; silicone polyether-stabilized silicone latex solvent thickening)

IT **Cosmetics**  
(foundations; silicone polyether-stabilized silicone latex solvent thickening)

IT **Polysiloxanes, uses**  
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)  
(latexes; silicone polyether-stabilized silicone latex solvent thickening)

IT **Cosmetics**  
(lipsticks; silicone polyether-stabilized silicone latex solvent thickening)

IT **Cosmetics**  
(makeups; silicone polyether-stabilized silicone latex solvent thickening)

IT **Cosmetics**  
(mascaras; silicone polyether-stabilized silicone latex solvent thickening)

IT **Cosmetics**  
(moisturizers; silicone polyether-stabilized silicone latex solvent thickening)

IT **Hair preparations**  
(mousses; silicone polyether-stabilized silicone latex solvent thickening)

IT **Bath preparations**  
(oils; silicone polyether-stabilized silicone latex solvent thickening)

IT **Hair preparations**  
(permanent wave; silicone polyether-stabilized silicone latex solvent thickening)

IT **Polysiloxanes, uses**  
**Polysiloxanes, uses**  
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)  
(polyether-; silicone polyether-stabilized silicone latex solvent thickening)

IT **Drug delivery systems**  
(sachets; silicone polyether-stabilized silicone latex solvent thickening)

IT **Antiperspirants**  
Colognes  
Deodorants  
Perfumes  
Shampoos  
Shaving preparations  
Sunscreens  
Thickening agents  
(silicone polyether-stabilized silicone latex solvent thickening)

IT **Hydrocarbon oils**  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (silicone polyether-stabilized silicone latex  
 solvent thickening)

IT **Polyethers, uses**  
 Polyethers, uses  
 RL: POF (Polymer in formulation); TEM (Technical or engineered material  
 use); USES (Uses)  
 (siloxane-; silicone polyether-stabilized silicone latex solvent  
 thickening)

IT **Hair preparations**  
 (sprays; silicone polyether-stabilized silicone latex solvent  
 thickening)

IT **Polysiloxanes, uses**  
 RL: POF (Polymer in formulation); TEM (Technical or engineered material  
 use); USES (Uses)  
 (vinyl group-terminated; silicone polyether-stabilized silicone latex  
 solvent thickening)

IT **Cosmetics**  
 (wrinkle-preventing; silicone polyether-stabilized silicone latex  
 solvent thickening)

IT **541-02-6 556-67-2 31900-57-9D, Dimethylsilanediol**  
 homopolymer, dimethylvinylsilyl-terminated 31900-57-9D,  
 Dimethylsilanediol homopolymer, trimethylsilyl-terminated  
**42557-10-8, Trimethylsilyl-terminated polydimethylsiloxane**  
 59942-04-0, Dimethylvinylsilyl-terminated polydimethylsiloxane  
 155665-02-4D, Dimethylsilanediol-methylvinylsilanediol copolymer,  
 dimethylvinylsiloxo-terminated 156118-35-3D, Dimethylsilanediol-  
 methylsilanediol copolymer, trimethylsilyl-terminated  
 RL: POF (Polymer in formulation); TEM (Technical or engineered material  
 use); USES (Uses)  
 (silicone polyether-stabilized silicone latex solvent thickening)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Anon; EP 739928 1996 HCAPLUS
- (2) Berg; US 5674937 1997 HCAPLUS
- (3) Desmonceau; US 5064894 1991 HCAPLUS
- (4) Hill; US 5623017 1997 HCAPLUS
- (5) Hill; US 5665804 1997 HCAPLUS
- (6) Hill; US 5705562 1998 HCAPLUS
- (7) Hill; US 5707613 1998 HCAPLUS
- (8) Schulz; US 5811487 1998 HCAPLUS

L106 ANSWER 14 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1998:568718 HCAPLUS

DN 129:179962

TI **Hair care product**

IN Eicken, Ulrich; Jungo, Sybille; Kischka, Karl-Heinz

PA Wella Aktiengesellschaft, Germany

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent

LA German

IC ICM A61K007-50

ICS A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9835652	A1	19980820	WO 1998-EP236	19980117 <--
	W: BR, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19705822	A1	19980827	DE 1997-19705822	19970215 <--

DE 19724587	A1	19981224	DE 1997-19724587	19970611	<--
EP 897299	A1	19990224	EP 1998-904086	19980117	<--
R: DE, ES, FR, GB, IT					
BR 9805982	A	19990831	BR 1998-5982	19980117	<--
JP 2000511202	T2	20000829	JP 1998-535268	19980117	<--

PRAI DE 1997-19705822 A 19970215  
 DE 1997-19724587 A 19970611  
 WO 1998-EP236 W 19980117

AB A hair care product containing  $\geq 1$  nonionic **emulsifier** 0.1-20,  $\geq 1$  C6-30 monohydric **alc.** 0.1-20,  $\geq 1$  water-insol. **silicone oil** 0.02-5, and/or  $\geq 1$  **fatty acid ester, fatty alc.** ether, or **fatty alc. ester** 0.1-10 weight% has good conditioning properties while minimizing the use of cationic surfactants. Preferred nonionic **emulsifiers** contain polyol and/or polyalkylene glycol ether groups as hydrophilic groups. Thus, a hair conditioner contained Tegin (glyceryl stearate) 2.0, Lanette O (cetearyl **alc.**) 5.5, propylparaben 0.2, Abil AV 1000 (phenyltrimethicone) 1.0, Plantaren 1200 (lauryl glucoside) 1.1, Gafquat 755N (20% aqueous polyquaternium-11) 0.25, methylparaben 0.3, perfume 0.4, and deionized water to 100% (pH 6.2).

ST **hair conditioner nonionic emulsifier**

IT Alcohols, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (C16-18; hair care product)

IT **Esters, biological studies**  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (aliphatic; hair care product)

IT **Hair preparations**  
 (conditioners; hair care product containing nonionic **emulsifiers**)

IT **Cyclosiloxanes**  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (di-Me; hair care product)

IT **Fatty acids, biological studies**  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (esters; hair care product)

IT Carbohydrates, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (ethers; hair care product)

IT **Alcohols, biological studies**  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (fatty, C6-30; hair care product)

IT Ethers, biological studies  
 Jojoba oil  
 Lanolin  
 Sunflower oil  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (hair care product)

IT **Emulsifying agents**  
 (nonionic; hair care product)

IT **Carbohydrates, biological studies**  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (sugar esters; hair care product)

IT **Polysiloxanes, biological studies**

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(water-insol.; hair care product)

IT 629-82-3, Cetiol OE 5333-42-6, Eutanol G 9006-65-9, Dimethicone  
9016-00-6, AK 500 11099-07-3, Glyceryl stearate 26855-43-6, Polyaldo  
TGMS 31692-79-2, Dimethiconol 148619-00-5, Plantaren  
1200 195868-36-1, Phenyltrimethicone

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(hair care product)

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
RE

- (1) Ajinomoto Kk; EP 0830856 A 1998 HCAPLUS
- (2) Beiersdorf Ag; WO 9517155 A 1995 HCAPLUS
- (3) Cauwet, D; US 5449475 A 1995 HCAPLUS
- (4) Hen; WO 9407458 A 1994 HCAPLUS
- (5) Henkel Kgaa; DE 29520747 U 1996
- (6) Henkel Kgaa; DE 29520750 U 1996
- (7) Henkel Kgaa; EP 0786250 A 1997 HCAPLUS
- (8) Kao Corp; EP 0538762 A 1993 HCAPLUS
- (9) Kao Corp GmbH; DE 9212069 U 1994
- (10) Procter & Gamble; WO 9501383 A 1995 HCAPLUS
- (11) Roussel, U; EP 0646370 A 1995 HCAPLUS

L106 ANSWER 15 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1997:342424 HCAPLUS

DN 126:320910

TI Skin and hair preparations containing solid silicones and  
polyethylene solidifying agents

IN Stepniewski, George

PA Estee Lauder, Inc., USA

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K007-027

ICS A61K007-06; A61K007-48

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9712584	A1	19970410	WO 1996-US15245	19960924 <--
	W: AU, CA, JP, KR				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5648066	A	19970715	US 1995-538550	19951003 <--
	CA 2206861	AA	19970410	CA 1996-2206861	19960924 <--
	AU 9671169	A1	19970428	AU 1996-71169	19960924 <--
	AU 712788	B2	19991118		
	EP 796079	A1	19970924	EP 1996-932319	19960924 <--
	R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 10510558	T2	19981013	JP 1996-514299	19960924 <--
	ZA 9608322	A	19970513	ZA 1996-8322	19961003 <--
PRAI	US 1995-538550	A	19951003		
	WO 1996-US15245	W	19960924		

AB Skin and hair prepsns. contain silicone compns., low  
mol. weight polyethylene solidifying agents, and one or more nonvolatile  
silicone fluids. The compns. are suitable for topical application  
to skin or hair, and are particularly useful in the preparation of  
novel skin treatment, hair treatment, lipstick and makeup  
products. A lipstick contained dimethicone 21, Ph trimethicone 50,  
dimethicone gum 5, tocopheryl acetate 2, jojoba oil 2, D&C Red  
Number 6 Barium Lake 5, D&C Red Number 7 Calcium Lake 5, and low mol. weight



polyethylene 10%.

ST skin hair silicone polyethylene solidifying agent; lipstick  
dimethicone trimethicone

IT **Fatty acids, biological studies**  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(esters; skin and hair preps. containing solid  
silicones and polyethylene solidifying agents)

IT **Cosmetics**  
(lipsticks; skin and hair preps. containing solid silicones and  
polyethylene solidifying agents)

IT **Cosmetics**  
**Hair preparations**  
**Sunscreens**  
(skin and hair preps. containing solid silicones and  
polyethylene solidifying agents)

IT Fats and Glyceridic oils, biological studies  
Jojoba oil  
Oxides (inorganic), biological studies  
Pigments, nonbiological  
**Polysiloxanes, biological studies**  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(skin and hair preps. containing solid silicones and  
polyethylene solidifying agents)

IT 9002-88-4  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(Siltex PL; skin and hair preps. containing solid silicones and  
polyethylene solidifying agents)

IT 58-95-7, Tocopheryl acetate 111-01-3, Squalane 1332-37-2, Iron oxide,  
biological studies **2116-84-9** 5281-04-9 9006-65-9,  
Dimethicone 13463-67-7, Titaniumoxide, biological studies 17852-98-1  
**195868-36-1**, Abil AV1000  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(skin and hair preps. containing solid silicones and  
polyethylene solidifying agents)

L106 ANSWER 16 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1995:767426 HCAPLUS

DN 123:145031

TI Preparation of highly pure alkyl siloxanes from hydrogen siloxanes and  
olefins

IN **Legrow, Gary Edward**

PA Dow Corning Corp., USA

SO Eur. Pat. Appl., 10 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM C07F007-08

ICS C07F007-21

CC 35-8 (Chemistry of Synthetic High Polymers)

Section cross-reference(s): 29

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	EP 641799	A2	19950308	EP 1994-305562	19940727
	EP 641799	A3	19970917		
	R: DE, FR, GB				
	JP 07145242	A2	19950606	JP 1994-181153	19940802
PRAI	US 1993-100814		19930802		

AB Siloxanes containing Si-H bonds are reacted with olefins (e.g., 1-hexene or a

mixture of C30+  $\alpha$ -olefins) under anhydrous conditions in the presence of O and a supported Pt catalyst to give hydrosilylation products which comprise >99.9% alkyl siloxanes and contain <10 ppm -SiH, <10 ppm H<sub>2</sub>C:CH-, and <1 ppm Pt.

- ST siloxane alkyl prepn hydrosilylation purity; hydrogen siloxane hydrosilylation olefin purify; platinum hydrogenation catalyst olefin hydrosilylation
- IT Alkylation  
(of hydrogen siloxanes by olefins in presence of oxygen and platinum for highly pure products)
- IT Hydrosilylation  
(of olefins with hydrogen siloxanes in presence of oxygen and platinum for highly pure products)
- IT Hydrogenation catalysts  
(platinum; in hydrosilylation of olefins with hydrogen siloxanes in presence of oxygen for highly pure products)
- IT **Siloxanes and Silicones, preparation**  
RL: IMF (Industrial manufacture); PREP (Preparation)  
(Me hydrogen, hydrosilylation products with  $\alpha$ -olefins; preparation in presence of oxygen and platinum catalyst for high purity)
- IT Alkenes, preparation  
RL: IMF (Industrial manufacture); PREP (Preparation)  
( $\alpha$ -, hydrosilylation products with hydrogen siloxanes; preparation in presence of oxygen and platinum catalyst for highly pure products)
- IT 7440-06-4, Platinum, uses  
RL: CAT (Catalyst use); USES (Uses)  
(catalyst; preparation of highly pure alkyl siloxanes by hydrosilylation of olefins in presence of oxygen and)
- IT 112-41-4, 1-Dodecene 592-41-6, 1-Hexene, reactions  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(hydrosilylation in presence of oxygen and platinum catalyst for highly pure products)
- IT **139614-44-1P**, 3-Dodecyl-1,1,1,3,5,5,5-heptamethyltrisiloxane  
RL: IMF (Industrial manufacture); PREP (Preparation)  
(preparation by hydrosilylation of dodecene in presence of oxygen and platinum catalyst for high purity)
- IT 1873-90-1P, 3-Hexyl-1,1,1,3,5,5,5-heptamethyltrisiloxane  
RL: IMF (Industrial manufacture); PREP (Preparation)  
(preparation by hydrosilylation of hexene in presence of oxygen and platinum catalyst for high purity)
- IT **167160-55-6P**, 1,1,1,3,5,5,5-Heptamethyl-3-octadecyltrisiloxane  
RL: IMF (Industrial manufacture); PREP (Preparation)  
(preparation by hydrosilylation of octadecene in presence of oxygen and platinum catalyst for high purity)
- IT 112-88-9DP, 1-Octadecene, hydrosilylation products with hydrogen siloxanes 1873-88-7DP, 1,1,1,3,5,5,5-Heptamethyltrisiloxane, hydrosilylation products with  $\alpha$ -olefins  
RL: IMF (Industrial manufacture); PREP (Preparation)  
(preparation in presence of oxygen and platinum catalyst for high purity)

L106 ANSWER 17 OF 17 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1993:567467 HCAPLUS

DN 119:167467

TI Cosmetic composition with enhanced deposition of cosmetic agents

IN Birtwistle, David Howard; Parkington, Michael John; O'Shea, Gerald Joseph

PA Unilever PLC, UK; Unilever N. V.

SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM A61K007-06

ICS A61K007-48; A61K007-42; A61K009-107

CC 62-1 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 552024	A2	19930721	EP 1993-300197	19930113 <--
	EP 552024	A3	19931222		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
	CA 2087140	AA	19930716	CA 1993-2087140	19930112 <--
	IN 178071	A	19970308	IN 1993-BO10	19930113 <--
	BR 9300143	A	19930727	BR 1993-143	19930114 <--
	JP 05279232	A2	19931026	JP 1993-5027	19930114 <--
	AU 9331813	A1	19930722	AU 1993-31813	19930115 <--
	ZA 9300269	A	19940715	ZA 1993-269	19930115 <--
	AU 9665628	A1	19961107	AU 1996-65628	19960913 <--
PRAI	GB 1992-764	A	19920115		

AB A rinse-off cleansing composition containing surfactant-soluble cosmetic agents for

deposition onto hair or skin, comprises a stable emulsion having a surfactant-containing continuous phase and an oil-containing internal phase. The oil phase has the effect of decreasing solubilization of the cosmetic agent into the surfactant-containing phase, thereby enhancing deposition of the cosmetic agent when the composition is rinsed off. Preferred cosmetic agents are sunscreens and preferred oil materials for use in the internal phase include Ph silicones, mineral oil, and organic oils. For example, a shampoo contained Ph trimethicone fluid DC 556 23.5, Parsol MCX 23.5, glycerol 47, Na lauryl ether sulfate 1.5, and water 4.5%.

ST cleanser emulsion surfactant oil sunscreen; shampoo

silicone Parsol MCX surfactant

IT Antiperspirants

Perfumes

Sunscreens

(cleansers containing oils and, rinse-off).

IT Paraffin oils

RL: BIOL (Biological study)

(cosmetic cleansers containing, for enhanced deposition of cosmetic agents)

IT Shampoos

(oils in, for enhancement of active ingredient deposition)

IT Oils

RL: BIOL (Biological study)

(organic, cosmetic cleansers containing, for enhanced deposition of cosmetic agents)

IT Cosmetics

(cleansing, body shampoos, oils in, for enhancement of active ingredient deposition)

IT Siloxanes and Silicones, biological studies

RL: BIOL (Biological study)

(di-Me, di-Ph, cosmetic cleansers containing, for enhanced deposition of cosmetic agents)

IT Siloxanes and Silicones, biological studies

RL: BIOL (Biological study)

(di-Me, di-Ph, hydroxy-terminated, cosmetic cleansers containing, for enhanced deposition of cosmetic agents)

IT Siloxanes and Silicones, biological studies

RL: BIOL (Biological study)

(di-Ph, cosmetic cleansers containing, for enhanced deposition of cosmetic agents)

IT Waxes and Waxy substances

RL: BIOL (Biological study)

(jojoba, cosmetic cleansers containing, for enhanced deposition of cosmetic agents)

IT 5466-77-3, Parsol MCX

RL: BIOL (Biological study)

(cosmetic cleansers containing oils and)

IT 2116-84-9, Dow Corning 556 150104-10-2, FZ 3109  
 RL: BIOL (Biological study)  
 (cosmetic cleansers containing, for enhanced deposition of cosmetic agents)

=>

=> fil reg

FILE 'REGISTRY' ENTERED AT 15:15:14 ON 26 NOV 2003  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
 provided by InfoChem.

STRUCTURE FILE UPDATES: 25 NOV 2003 HIGHEST RN 620927-08-4  
 DICTIONARY FILE UPDATES: 25 NOV 2003 HIGHEST RN 620927-08-4

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

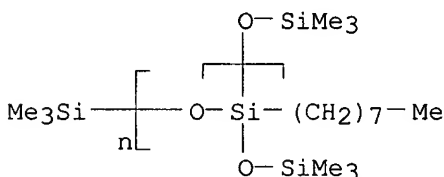
Please note that search-term pricing does apply when  
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
 PROPERTIES for more information. See STNote 27, Searching Properties  
 in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d ide can tot 1103

L103 ANSWER 1 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN  
 RN 304430-48-6 REGISTRY  
 CN Poly[oxy(3,3,3-trimethyl-1-octyldisiloxanylidene)],  $\alpha$ -  
 (trimethylsilyl)- $\omega$ -[(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)  
 MF (C11 H26 O2 Si2)n C6 H18 O Si2  
 CI PMS  
 PCT Polyother, Polyother only  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



4 REFERENCES IN FILE CA (1907 TO DATE)  
 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:343468

REFERENCE 2: 138:28972

REFERENCE 3: 138:5890

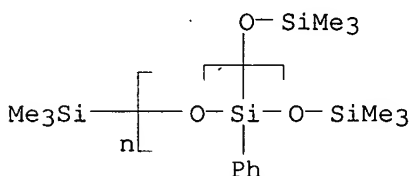
REFERENCE 4: 133:339979

L103 ANSWER 2 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN  
 RN 195868-36-1 REGISTRY

CN Poly[oxy(3,3,3-trimethyl-1-phenyldisiloxanylidene)],  $\alpha$ -  
(trimethylsilyl)- $\omega$ -[(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)

## OTHER NAMES:

CN Abil AV 1000  
CN Phenyltrimethicone  
CN SilCare 15M30  
CN SilCare 15M40  
CN SilCare 15M50  
CN SilCare 15M60  
DR 154281-06-8  
MF (C9 H14 O2 Si2)<sub>n</sub> C6 H18 O Si2  
CI PMS, COM  
PCT Polyother, Polyother only  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



147 REFERENCES IN FILE CA (1907 TO DATE)

150 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:296557  
REFERENCE 2: 139:280910  
REFERENCE 3: 139:265436  
REFERENCE 4: 139:235020  
REFERENCE 5: 139:218990  
REFERENCE 6: 139:202128  
REFERENCE 7: 139:169007  
REFERENCE 8: 139:165389  
REFERENCE 9: 139:151533  
REFERENCE 10: 139:122473

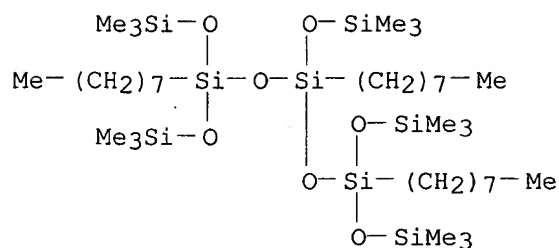
L103 ANSWER 3 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 187593-69-7 REGISTRY

CN Pentasiloxane, 1,1,1,9,9,9-hexamethyl-3,5,7-trioctyl-3,5,7-  
tris[(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)

## OTHER NAMES:

CN SilCare 31M30  
CN SilCare 31M40  
CN SilCare 31M50  
CN SilCare 31M60  
MF C39 H96 O7 Si8  
SR CAS Registry Services  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:358161

REFERENCE 2: 138:343449

REFERENCE 3: 130:129748

L103 ANSWER 4 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

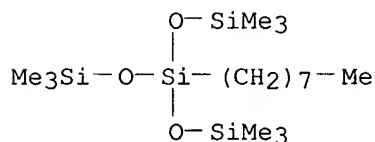
RN 187592-85-4 REGISTRY

CN Trisiloxane, 1,1,1,5,5,5-hexamethyl-3-octyl-3-[(trimethylsilyl)oxy]- (9CI)  
(CA INDEX NAME)

MF C17 H44 O3 Si4

SR CAS Registry Services

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217689

REFERENCE 2: 132:212525

REFERENCE 3: 132:212519

REFERENCE 4: 130:129748

L103 ANSWER 5 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 167160-55-6 REGISTRY

CN Trisiloxane, 1,1,1,3,5,5,5-heptamethyl-3-octadecyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1,1,1,3,5,5,5-Heptamethyl-3-octadecyltrisiloxane

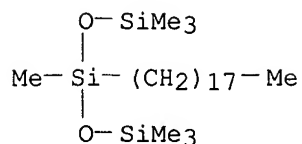
CN SilCare 41M30

CN Stearylmeticone

MF C25 H58 O2 Si3

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5 REFERENCES IN FILE CA (1907 TO DATE)  
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:122473

REFERENCE 2: 138:343449

REFERENCE 3: 132:212525

REFERENCE 4: 132:212519

REFERENCE 5: 123:145031

L103 ANSWER 6 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 163836-21-3 REGISTRY

CN Poly[oxy(diethylsilylene)],  $\alpha$ -hydro- $\omega$ -hydroxy- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Diethiconol

CN Hydroxy-terminated poly(diethylsiloxane), SRU

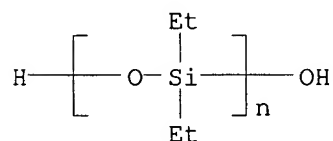
MF (C4 H10 O Si)<sub>n</sub> H2 O

CI PMS, COM

PCT Polyother, Polyother only

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:343449

REFERENCE 2: 132:151862

REFERENCE 3: 123:11754

L103 ANSWER 7 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 139614-44-1 REGISTRY

CN Trisiloxane, 3-dodecyl-1,1,1,3,5,5,5-heptamethyl- (9CI) (CA INDEX NAME)

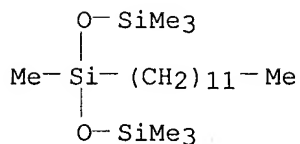
OTHER NAMES:

CN 3-Dodecyl-1,1,1,3,5,5,5-heptamethyltrisiloxane

CN Laurylmethicone

CN SilCare 41M20

MF C19 H46 O2 Si3  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

11 REFERENCES IN FILE CA (1907 TO DATE)  
 11 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:169006  
 REFERENCE 2: 139:7677  
 REFERENCE 3: 138:343449  
 REFERENCE 4: 138:192858  
 REFERENCE 5: 138:95210  
 REFERENCE 6: 136:167833  
 REFERENCE 7: 132:212525  
 REFERENCE 8: 132:212519  
 REFERENCE 9: 123:265790  
 REFERENCE 10: 123:145031

L103 ANSWER 8 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 60111-48-0 REGISTRY

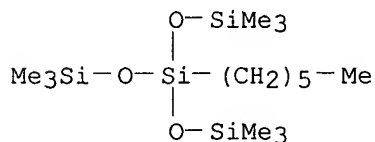
CN Trisiloxane, 3-hexyl-1,1,1,5,5,5-hexamethyl-3-[(trimethylsilyl)oxy]- (9CI)  
 (CA INDEX NAME)

MF C15 H40 O3 Si4

LC STN Files: CA, CAPLUS, CHEMLIST, TOXCENTER, USPATFULL

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:212525



REFERENCE 2: 132:212519

REFERENCE 3: 122:214128

REFERENCE 4: 85:79008

L103 ANSWER 9 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 56746-86-2 REGISTRY

CN Poly[oxy(hexylmethoxysilylene)],  $\alpha$ -(trimethylsilyl)- $\omega$ -  
[(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)

OTHER NAMES:

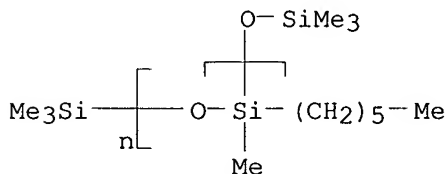
CN SilCare 41M10

MF (C7 H16 O Si)<sub>n</sub> C6 H18 O Si2

CI PMS

PCT Polyother, Polyother only

LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL



6 REFERENCES IN FILE CA (1907 TO DATE)

6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:343468

REFERENCE 2: 138:343449

REFERENCE 3: 136:189071

REFERENCE 4: 136:189070

REFERENCE 5: 126:67391

REFERENCE 6: 83:137971

L103 ANSWER 10 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 56275-01-5 REGISTRY

CN Silicic acid, trimethylsilyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Aerosil RX 300

CN BY 11-018

CN BY 11-022

CN KF 7312F

CN KF 7312K

CN KF 9001

CN KF 9002

CN MQ 803

CN Poly(trimethylsiloxysilicate)

CN SR 1000

CN SR 1000 Resin

CN Trimethylsilyl silicate

CN VP Aeroperl R 806/30

CN X 40-2134

DR 161035-75-2, 169874-54-8, 201488-41-7, 201557-76-8, 207240-26-4

MF C3 H10 O Si . x Unspecified

CI COM

LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, MSDS-OHS, TOXCENTER, USPAT2,

USPATFULL  
Other Sources: NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

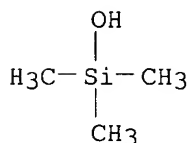
CM 1

CRN 1343-98-2  
CMF Unspecified  
CCI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 1066-40-6  
CMF C3 H10 O Si



208 REFERENCES IN FILE CA (1907 TO DATE)  
14 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
209 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:330281  
REFERENCE 2: 139:327974  
REFERENCE 3: 139:280944  
REFERENCE 4: 139:280910  
REFERENCE 5: 139:265781  
REFERENCE 6: 139:265436  
REFERENCE 7: 139:249998  
REFERENCE 8: 139:235043  
REFERENCE 9: 139:215659  
REFERENCE 10: 139:215639

L103 ANSWER 11 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

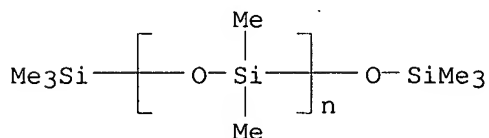
RN 42557-10-8 REGISTRY

CN Poly[oxy(dimethylsilylene)],  $\alpha$ -(trimethylsilyl)- $\omega$ -  
[(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN  $\alpha, \omega$ -(Trimethylsilyl) polydimethylsiloxane  
CN  $\alpha, \omega$ -Bis(trimethylsiloxy)polydimethylsiloxane  
CN  $\alpha, \omega$ -Bis(trimethylsilyl)poly(dimethylsiloxane)  
CN 10000C/S  
CN 1000C/S  
CN 100C/S  
CN 5000C/S  
CN Abil 10  
CN Abil 20

CN Abil 30  
 CN Abil 350  
 CN AK 10  
 CN AK 10 (silicone)  
 CN AK 1000  
 CN AK 10000  
 CN AK 100000  
 CN AK 1000000  
 CN AK 20  
 CN AK 20 (silicone)  
 CN AK 35  
 CN AK 35 (silicone)  
 CN Amersil L 45  
 CN Baysilone M  
 CN Baysilone M 100  
 CN Baysilone M 1000  
 CN Baysilone M 10000  
 CN Baysilone M 120  
 CN Baysilone M 3  
 CN Baysilone M 50  
 CN Baysilone M 500  
 CN BY 16-140  
 CN By 22-019  
 CN BY 22-029  
 CN BY 22-050A  
 CN DC 200  
 CN DC 200/50  
 CN DC 280A  
 CN DC Silicone Fluid 200  
 CN Dimethyl siloxane, trimethylsilyl-terminated  
 CN Dimethylsilanediol homopolymer, sru,  $\alpha$ -,  $\omega$ -trimethylsilyl-terminated  
 CN Dimethylsilanediol homopolymer, sru, trimethylsilyl-terminated  
 CN Dimethylsilanediol polymer, sru, trimethylsilyl-terminated  
 CN Dimethylsiloxane, SRU, trimethylsiloxy-terminated  
 CN DMS-T 51  
 CN Dow Corning 200  
 CN Dow Corning 200/350  
 CN Dow Corning 200/5  
 CN E 100  
 CN E 100 (siloxane)  
 CN Foamex AD 100  
 ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
 DISPLAY  
 DR 12684-12-7, 12751-46-1, 12778-18-6, 9062-40-2, 134096-48-3, 37220-77-2,  
 37221-45-7, 83047-13-6, 157566-53-5, 186137-74-6, 187412-88-0,  
 187758-27-6, 190330-95-1, 191428-28-1, 587854-56-6  
 MF (C2 H6 O Si)<sub>n</sub> C6 H18 O Si2  
 CI PMS, COM  
 PCT Polyother, Polyother only  
 LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, CHEMCATS, CHEMLIST, CIN,  
 DETHERM\*, IFICDB, IFIPAT, IFIUDB, NIOSHTIC, PIRA, RTECS\*, TOXCENTER,  
 USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)



1545 REFERENCES IN FILE CA (1907 TO DATE)  
51 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1550 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:339592

REFERENCE 2: 139:338457

REFERENCE 3: 139:327978

REFERENCE 4: 139:327941

REFERENCE 5: 139:324220

REFERENCE 6: 139:308974

REFERENCE 7: 139:308952

REFERENCE 8: 139:308688

REFERENCE 9: 139:308371

REFERENCE 10: 139:293478

L103 ANSWER 12 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 31692-79-2 REGISTRY

CN Poly[oxy(dimethylsilylene)],  $\alpha$ -hydro- $\omega$ -hydroxy- (8CI, 9CI)  
(CA INDEX NAME)

OTHER NAMES:

CN  $\alpha$ , $\omega$ -Dihydroxydimethylpolysiloxane

CN  $\alpha$ , $\omega$ -Dihydroxypoly(dimethylsiloxane)

CN  $\alpha$ -hydro- $\omega$ -hydroxy PDMS

CN  $\alpha$ -Hydro- $\omega$ -hydroxypoly(dimethylsiloxane)

CN  $\alpha$ -Hydro- $\omega$ -hydroxypoly[oxy(dimethylsilylene)]

CN 48V135000

CN 48V175000

CN Baysilone T 5

CN BY 16-873

CN CT 80000

CN DC 1669

CN DC 1784

CN DC 2-1391

CN DC 2-1766

CN DC 2-1784

CN DC 2-1865

CN DC 2-1870

CN DC 3-0133

CN Dihydroxypolydimethylsiloxane

CN Dimethiconol

CN Dimethylhydroxysilyl-terminated polydimethylsiloxane

CN Dimethylpolysiloxane diol, SRU

CN Dimethylsilanediol homopolymer, hydroxy-terminated SRU

CN Dimethylsilanediol homopolymer, silanol-terminated

CN Dimethylsilanediol homopolymer, sru silanol-terminated

CN Dimethylsilanediol homopolymer, sru, hydroxy-terminated

CN Dimethylsiloxanediol

CN DMS-S 12

CN DMS-S 12-100GM

CN DMS-S 15

CN DMS-S 21

CN DMS-S 27

CN DMS-S 32

CN Dow Corning 1-9770

CN Dow Corning 1111  
 CN Dow Corning 1669  
 CN Dow Corning 1784  
 CN Dow Corning 2-1391  
 CN Dow Corning 2-1766  
 CN Dow Corning 2-1784  
 CN Dow Corning 2-1865  
 CN Dow Corning 2-1870  
 CN Dow Corning 3-0133  
 CN Dow Corning 347  
 CN Dow Corning Q 1-3563  
 CN F 1006  
 CN F 212  
 CN Flexibase  
 CN FZ 3122  
 CN Gelest DMS-S 12

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

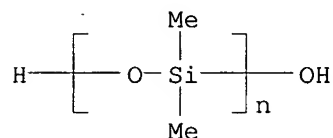
DR 478799-78-9, 480440-61-7, 569651-54-3, 165118-62-7, 12296-62-7,  
 175017-95-5, 59787-80-3, 156787-83-6, 157016-33-6, 160989-54-8,  
 178628-47-2, 181933-91-5, 182296-25-9, 187271-17-6, 204757-42-6,  
 210769-89-4, 218129-66-9, 221662-14-2, 232258-89-8, 235756-64-6,  
 256341-29-4, 287488-28-2, 292163-62-3, 350048-42-9, 371961-21-6

MF (C2 H6 O Si)<sub>n</sub> H2 O

CI PMS, COM

PCT Polyother, Polyother only

LC STN Files: ADISNEWS, BIOSIS, CA, CAPLUS, CASREACT, CHEMLIST, CIN,  
 IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, PROMT, TOXCENTER, USPAT2,  
 USPATFULL



1025 REFERENCES IN FILE CA (1907 TO DATE)

170 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1032 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:338875

REFERENCE 2: 139:324824

REFERENCE 3: 139:324230

REFERENCE 4: 139:294315

REFERENCE 5: 139:293479

REFERENCE 6: 139:277666

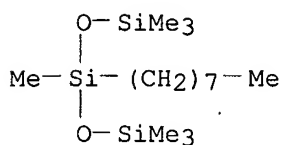
REFERENCE 7: 139:265436

REFERENCE 8: 139:261704

REFERENCE 9: 139:246959

REFERENCE 10: 139:235043

RN 17955-88-3 REGISTRY  
CN Trisiloxane, 1,1,1,3,5,5,5-heptamethyl-3-octyl- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1,1,1,3,5,5,5-heptamethyl-3-octyltrisiloxane  
CN Heptamethyloctyltrisiloxane  
CN SilCare 41M15  
CN Silsoft 034  
MF C15 H38 O2 Si3  
LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, CHEMLIST, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

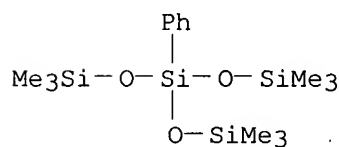
49 REFERENCES IN FILE CA (1907 TO DATE)  
50 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 139:169006  
REFERENCE 2: 139:138381  
REFERENCE 3: 139:11874  
REFERENCE 4: 138:343449  
REFERENCE 5: 138:238218  
REFERENCE 6: 138:192858  
REFERENCE 7: 138:170359  
REFERENCE 8: 138:126773  
REFERENCE 9: 138:126772  
REFERENCE 10: 138:126771

L103 ANSWER 14 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 2116-84-9 REGISTRY  
CN Trisiloxane, 1,1,1,5,5,5-hexamethyl-3-phenyl-3-[(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Trisiloxane, 1,1,1,5,5,5-hexamethyl-3-phenyl-3-(trimethylsiloxy)- (6CI, 7CI, 8CI)  
OTHER NAMES:  
CN 1,1,1,5,5,5-Hexamethyl-3-phenyl-3-(trimethylsilyloxy)trisiloxane  
CN DC 556  
CN Dow 556 Fluid  
CN Dow Corning 556  
CN Dow Corning 556 Fluid

CN Phenyltris(trimethylsiloxy)silane  
 CN Silicone DC 556  
 CN Tris(trimethylsiloxy)phenylsilane  
 DR 9076-37-3  
 MF C15 H32 O3 Si4  
 LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,  
 CIN, CSCHEM, GMELIN\*, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, SPECINFO,  
 TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

127 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 127 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 139:296588  
 REFERENCE 2: 139:102526  
 REFERENCE 3: 139:41476  
 REFERENCE 4: 139:26299  
 REFERENCE 5: 138:322813  
 REFERENCE 6: 138:175561  
 REFERENCE 7: 138:78154  
 REFERENCE 8: 138:28975  
 REFERENCE 9: 138:28972  
 REFERENCE 10: 138:16479

L103 ANSWER 15 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 1873-90-1 REGISTRY

CN Trisiloxane, 3-hexyl-1,1,1,3,5,5,5-heptamethyl- (6CI, 7CI, 9CI) (CA INDEX NAME)

**OTHER NAMES:**

CN 3-Hexyl-1,1,1,3,5,5,5-heptamethyltrisiloxane

CN DC 2-1731

CN Dow Corning 2-1731

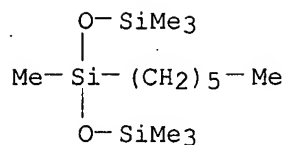
CN Heptamethylhexyltrisiloxane

CN Hexylmethicone

MF C13 H34 O2 Si3

LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CHEMLIST, RTECS\*, TOXCENTER, USPATFULL

(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

50 REFERENCES IN FILE CA (1907 TO DATE)  
 51 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 139:327944  
 REFERENCE 2: 139:138381  
 REFERENCE 3: 138:126773  
 REFERENCE 4: 138:126772  
 REFERENCE 5: 138:126771  
 REFERENCE 6: 138:126770  
 REFERENCE 7: 138:126769  
 REFERENCE 8: 137:252664  
 REFERENCE 9: 137:237456  
 REFERENCE 10: 137:114244

L103 ANSWER 16 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 1873-88-7 REGISTRY

CN Trisiloxane, 1,1,1,3,5,5,5-heptamethyl- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1,1,1,3,5,5,5-Heptamethylsiloxane  
 CN 1,1,1,3,5,5,5-Heptamethyltrisiloxane  
 CN 2,2,4,6,6-Pentamethyl-3,5-dioxa-2,4,6-trisilaheptane  
 CN Bis(trimethylsiloxy)methylsilane  
 CN Bis(trimethylsilyloxy)methylsilane  
 CN Methylbis(trimethylsiloxy)silane  
 CN Methylbis(trimethylsilyloxy)silane

FS 3D CONCORD

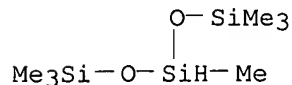
MF C7 H22 O2 Si3

CI COM

LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DETHERM\*, GMELIN\*, HODOC\*, IFICDB, IFIPAT, IFIUDB, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)





## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

344 REFERENCES IN FILE CA (1907 TO DATE)  
31 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
344 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
16 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 139:327930  
REFERENCE 2: 139:244806  
REFERENCE 3: 139:161072  
REFERENCE 4: 139:149390  
REFERENCE 5: 139:72492  
REFERENCE 6: 139:13090  
REFERENCE 7: 138:339835  
REFERENCE 8: 138:338728  
REFERENCE 9: 138:338727  
REFERENCE 10: 138:293295

L103 ANSWER 17 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 556-67-2 REGISTRY

CN Cyclotetrasiloxane, octamethyl- (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Abil K 4

CN Cyclic dimethylsiloxane tetramer

CN D 4

CN Dabco DC 5258

CN DC 344

CN DC 5258

CN Dow Corning 244

CN Dow Corning 344

CN KF 994

CN LS 8620

CN Mirasil CM 4

CN NSC 345674

CN NUC Silicone VS 7207

CN Octamethylcyclotetrasiloxane

CN Octamethylcyclotetrasiloxanes

CN SF 1173

CN SH 344

CN Silbione V 2

CN Tetracyclomethicone

CN TSF 404

CN UC 7207

CN Union Carbide 7207

CN Volasil 244

CN VS 7207

CN Y 7175

FS 3D CONCORD

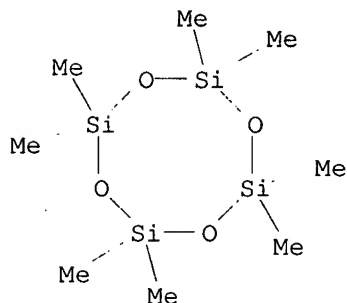
DR 104986-37-0, 83874-62-8, 117563-66-3

MF C8 H24 O4 Si4

CI COM

LC STN Files: ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA,  
CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX,

CHEMLIST, CIN, CSChem, CSNB, DETHERM\*, DIPPR\*, EMBASE, GMELIN\*, HODOC\*,  
 HSDB\*, IFICDB, IFIPAT, IFIUDb, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PIRA,  
 PROMT, RTECS\*, SPECINFO, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2748 REFERENCES IN FILE CA (1907 TO DATE)  
 231 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 2759 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 270 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 139:344933  
 REFERENCE 2: 139:344432  
 REFERENCE 3: 139:338291  
 REFERENCE 4: 139:327978  
 REFERENCE 5: 139:327462  
 REFERENCE 6: 139:325713  
 REFERENCE 7: 139:315661  
 REFERENCE 8: 139:315658  
 REFERENCE 9: 139:315657  
 REFERENCE 10: 139:315518

L103 ANSWER 18 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 541-02-6 REGISTRY

CN Cyclopentasiloxane, decamethyl- (6CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Cyclic dimethylsiloxane pentamer

CN Cyclo-decamethylpentasiloxane

CN DC 245

CN DC 345

CN Decamethylcyclopentasiloxane

CN Dimethylsiloxane pentamer

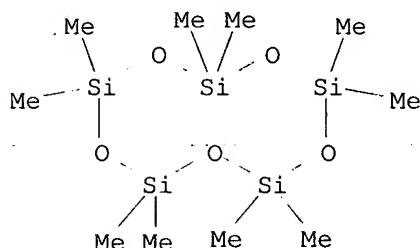
CN Dow Corning 245

CN Dow Corning 345

CN Dow Corning 345 Fluid

CN Execol D 5

CN KF 995  
 CN LS 9000  
 CN NUC Silicone VS 7158  
 CN Pentacyclomethicone  
 CN SF 1202  
 CN SH 245  
 CN SH 245 (siloxane)  
 CN Silbione V 5  
 CN Silicone SF 1202  
 CN TFS 405  
 CN TSF 405  
 CN TSF 465  
 CN Union Carbide 7158 Silicone Fluid  
 CN Volasil 245  
 CN VS 7158  
 MF C10 H30 O5 Si5  
 CI COM  
 LC STN Files: ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS,  
 CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM\*,  
 DIPPR\*, GMELIN\*, HODOC\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, MRCK\*, MSDS-OHS,  
 NIOSHTIC, RTECS\*, SPECINFO, TOXCENTER, ULIDAT, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



1457 REFERENCES IN FILE CA (1907 TO DATE)  
 28 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 1465 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 48 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 139:341438  
 REFERENCE 2: 139:327968  
 REFERENCE 3: 139:327462  
 REFERENCE 4: 139:325085  
 REFERENCE 5: 139:296698  
 REFERENCE 6: 139:296557  
 REFERENCE 7: 139:296542  
 REFERENCE 8: 139:296540  
 REFERENCE 9: 139:296537  
 REFERENCE 10: 139:280939

=> => fil wpix

FILE 'WPIX' ENTERED AT 15:35:46 ON 26 NOV 2003

COPYRIGHT (C) 2003 THOMSON DERWENT

FILE LAST UPDATED: 25 NOV 2003 <20031125/UP>

MOST RECENT DERWENT UPDATE: 200376 <200376/DW>

DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> NEW WEEKLY SDI FREQUENCY AVAILABLE --> see NEWS <<<

>>> SLART (Simultaneous Left and Right Truncation) is now available in the /ABEX field. An additional search field /BIX is also provided which comprises both /BI and /ABEX <<<

>>> PATENT IMAGES AVAILABLE FOR PRINT AND DISPLAY <<<

>>> FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE, PLEASE VISIT:  
[http://www.stn-international.de/training\\_center/patents/stn\\_guide.pdf](http://www.stn-international.de/training_center/patents/stn_guide.pdf) <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE  
<http://thomsonderwent.com/coverage/latestupdates/> <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER GUIDES, PLEASE VISIT:  
<http://thomsonderwent.com/support/userguides/> <<<

=> d all abeq tech abex tot

L126 ANSWER 1 OF 10 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN

AN 2003-781054 [74] WPIX

DNC C2003-215034

TI Oil mixture in cosmetic or pharmaceutical composition, comprises **silicone oil(s)**, organic oil(s) and organomodified **silicone(s)**.

DC A26 A96 B07 D21 E11

IN KLUG, P; LEGROW, G E; SIMSCH, W

PA (CLRN) CLARIANT INT LTD

CYC 32

PI EP 1306072 A2 20030502 (200374)\* EN 8p A61K007-00  
 R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC  
 MK NL PT RO SE SI SK TR

JP 2003146833 A 20030521 (200374) 9p A61K007-00

US 2003082128 A1 20030501 (200374) A61K007-06 <--

ADT EP 1306072 A2 EP 2002-23437 20021019; JP 2003146833 A JP 2002-308358  
 20021023; US 2003082128 A1 US 2001-1293 20011024

PRAI US 2001-1293 20011024

IC ICM A61K007-00; A61K007-06

ICS A61K007-11; A61K009-107; A61K047-06;

A61K047-10; A61K047-14; A61K047-26;

A61K047-34; C07F007-02

AB EP 1306072 A UPAB: 20031117

NOVELTY - An oil mixture comprises **silicone oil(s)**, organic oil(s) and organomodified **silicone(s)**. **Silicone oils** are not organomodified **silicones**.

DETAILED DESCRIPTION - An oil mixture comprises **silicone oil(s)**, organic oil(s) and organomodified **silicone(s)** of formulae (I-III). **Silicone oils** are not organomodified **silicones**.

Me3SiO-(Si(Me)(R)O)x-SiMe3 (I)

$\text{Me}_3\text{SiO}-(\text{Si}(\text{OSiMe}_3)(\text{R})\text{O})_y-\text{SiMe}_3$  (II)  
 $\text{Me}_3\text{SiO}-((\text{Si}(\text{Me}_2)\text{O})_z(\text{Si}(\text{Me})(\text{R})\text{O})_v)-\text{SiMe}_3$  (III)  
 R = 6-40C alkyl or alkenyl radical, phenyl radical, or 7-30C  
 alkylaryl radical or arylalkyl radical;  
 x, y = 1-10; and  
 v, z = 1-100.

INDEPENDENT CLAIMS are included for the following:

(1) a cosmetic or pharmaceutical composition comprising the oil mixture, preferably in the form of a rinse-off product or leave-on product; and

(2) use of organomodified **silicones** for the compatibilization of **silicone oils** in the mixture.

USE - In a cosmetic or pharmaceutical composition (claimed).

ADVANTAGE - The organomodified **silicones** are highly suitable for compatibilization of **silicone oils** and organic oils and permit preparation of homogeneous, clear oil mixtures of **silicone oils** and organic oils. In particular, dimethylpolysiloxanes and cyclomethicones can be made compatible with organic oils. The oil mixtures are phase-stable and have very good sensory and care properties.

Dwg.0/0

FS

CPI

FA

AB; DCN

MC

CPI: A06-A00E3; A12-V01; A12-V04; B04-C03D; B04-D01;

B05-B01B; B10-E04C; B10-E04D;

B10-G02; B10-H02A; B10-H02B;

B10-J02; B12-M03; B12-M05; B14-R01;

D08-B; E05-E02C; E10-E04G; E10-E04L4;

E10-E04L5; E10-G02H2; E10-H04A;

E10-J02B; E10-J02C; E10-J02D

TECH

UPTX: 20031117

TECHNOLOGY FOCUS - POLYMERS - Preferred Oils: The **silicones oils** are dimethylpolysiloxanes, diethylpolysiloxanes, dimethylethylpolysiloxanes, cyclomethicones, cycloethicones, dimethiconols, diethiconols and/or trimethylsiloxysilicates, preferably dimethylpolysiloxanes and/or cyclomethicones. The organic oils are hydrocarbons, fluorinated hydrocarbons, perfluorinated hydrocarbons, esters, fatty acid esters, fatty alcohols, triglycerides, monoglycerides and/or sugar esters. Preferred Composition: The cosmetic or pharmaceutical composition is in the form of a emulsion, preferably surfactant free.

ABEX

UPTX: 20031117

EXAMPLE - A silicone oil Dow Corning 200 (50 g) was added to a low-viscosity paraffin oil (50 g), and two immiscible phases were formed. Hexylmethicone of formula (1) SilCare 41M10 (in weight%) (10), caprylmethicone of formula (1) SilCare 41M15 (10), laurylmethicone of formula (1) SilCare 41M20 (11), stearylmethicone of formula (1) SilCare 41M30 (17), phenyltrimethicone of formula (2) (with x = 2-3) SilCare 15M40 (16), phenyltrimethicone of formula (2) (with x = 1-3) SilCare 15M50 (15), phenyltrimethicone of formula (2) (with x = 1) SilCare 15M60 (12), capryltrimethicone of formula (2) (with x = 1- 4) SilCare 31 M30 (30), capryltrimethicone of formula (2) (with x = 2-3) SilCare 31 M40 (24), capryltrimethicone of formula (2) (with x = 1-3) SilCare 31 M50 (18.5), capryltrimethicone of formula (2) (with x = 1) SilCare 31 M60 (11) and stearyldimethicone of formula (3) SilCare 41 M65 (17), were added, and homogenized by stirring, to obtain a stable homogeneous mixture of oil phases at room temperature.

DEFINITIONS - Preferred Definitions:

R = 6-30C alkyl or alkenyl radical, phenyl radical, phenylmethyl radical, phenylethyl radical, methylphenyl radical or ethylphenyl radical, preferably hexyl radical, caprylyl radical, lauryl radical, palmityl radical, stearyl radical, 20-24C alkyl radical, 24-28C alkyl radical or

phenyl radical;  
x = 1;  
y = 1-5; and  
z, v = 1-10.

L126 ANSWER 2 OF 10 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN

AN 2003-697082 [66] WPIX

CR 2003-074712 [07]

DNC C2003-191517

TI Composition useful in the treatment of e.g. wrinkles, skin pigmentation marks and for skin cleaning and skin toning comprises at least one partially or totally crosslinked, solid elastomeric organopolysiloxane.

DC A96 B03 D21

IN AFRIAT, I; CHANVIN, F; LANGLOIS, S

PA (OREA) L'OREAL SA

CYC 1

PI US 2003149102 A1 20030807 (200366)\* 6p A61K031-375

ADT US 2003149102 A1 Cont of US 1999-225832 19990106, US 2002-228274 20020827

PRAI US 1999-225832 19990106; US 2002-228274 20020827

IC ICM A61K031-375

ICS A61K009-14

AB US2003149102 A UPAB: 20031014

NOVELTY - Composition (I) comprises ascorbic acid, at least one partially or totally crosslinked, solid elastomeric organopolysiloxane, and an oil.

ACTIVITY - Dermatological.

MECHANISM OF ACTION - None given.

USE - Used in a cream useful in dermatological and cosmetic applications e.g. for cleaning skin and/or treating it, in particular for toning or regenerating it, for treating wrinkles and/or fine lines on the skin, for lightening the complexion, for removing skin pigmentation marks, for combating the harmful effects of ultraviolet radiation and/or strengthening skin tissue against environmental attack.

ADVANTAGE - Ascorbic acid is stabilized (claimed). (I) Is stable, soft, non-sticky and comfortable when applied to the skin, is suitable for topical application to human face, including area around the eyes, body and scalp without causing skin irritation, skin burn or dryness of skin.

Dwg.0/0

FS CPI

FA AB; DCN

MC CPI: A06-A00E3; A12-V04C; B03-F; B04-B01C1; B04-C03; B05-A01B;

B05-B01B; B10-C02; B10-E04C; B12-M03;

B14-N17; D08-B09

TECH UPTX: 20031014

TECHNOLOGY FOCUS - POLYMERS - Preferred Components: The oil is cyclic polysiloxane (preferably decamethylcyclopentasiloxane). The organopolysiloxane comprises (disclosed) comprises:

(a) organopolysiloxane comprising units R<sub>2</sub>SiO and RSiO<sub>1.5</sub> and optionally R<sub>3</sub>SiO<sub>0.5</sub> and/or SiO<sub>2</sub> units, where the weight ratio of R<sub>2</sub>SiO to RSiO<sub>1.5</sub> is 1/1 to 30/1, or

(b) organopolysiloxane insoluble in silicone oil, obtained by addition of an organohydrogenopolysiloxane (Ia) and of an organopolysiloxane (Ib) having unsaturated aliphatic groups.

R = H, alkyl, aryl or unsaturated aliphatic group.

The amount of hydrogen or of unsaturated aliphatic groups in (Ia) and (Ib), respectively is 1-20 mol% when the organopolysiloxane is non-cyclic and 1-50 mol% when the organopolysiloxane is cyclic.

ABEX UPTX: 20031014

ADMINISTRATION - Administration is topical in anhydrous form or in water-in-oil, oil-in-water or triple emulsion form. No dosage is given.

EXAMPLE - A face cream (water-in-oil emulsion) composition comprised (in weight%): a mixture of dimethicone copolyol and of cyclomethicone (20), phenyltrimethicone (4), apricot oil (3), crosslinked organopolysiloxane

containing active material (24) in non-volatile polydimethylsiloxane (PDMS) (KSG 16) (8), glycerol (23), propylene glycol (6), sodium hydroxide (1.8), citric acid (1.2), ascorbic acid (5) and deionized water (qs 100).

L126 ANSWER 3 OF 10 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN

AN 2003-596830 [56] WPIX

DNC C2003-161649

TI Use of phenylsilsesquioxane liquids for preparation of cosmetic and pharmaceutical compositions such as shampoos, or leave on products such as skin care compositions and deodorants.

DC A26 A96 B07 D21

IN FIGUEROA, R; LEGROW, G E; TERRY, W L

PA (CLRN) CLARIANT INT LTD

CYC 32

PI US 2003077240 A1 20030424 (200356)\* 8p A61K007-06

EP 1306076 A2 20030502 (200356) EN A61K007-06

R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC

MK NL PT RO SE SI SK TR

JP 2003221306 A 20030805 (200360) 11p A61K007-00

ADT US 2003077240 A1 US 2001-2709 20011024; EP 1306076 A2 EP 2002-23439

20021019; JP 2003221306 A JP 2002-308356 20021023

PRAI US 2001-2709 20011024

IC ICM A61K007-00; A61K007-06

ICS A61K007-11; A61K007-48; A61K009-20; A61K047-24; B01F017-54;

C07F007-08; C09G001-00; C09K003-00; C09K003-18

AB US2003077240 A UPAB: 20030903

NOVELTY - Phenylsilsesquioxane liquids (I) are used for the preparation of cosmetic and pharmaceutical compositions.

DETAILED DESCRIPTION - Phenylsilsesquioxane liquids of formula  $\text{Me}_3\text{SiO}-(\text{Si}(\text{OSiMe}_3)(\text{Ph})\text{O})_x-\text{SiMe}_3$  (I) are used for the preparation of cosmetics and pharmaceutical compositions.

Ph = phenyl, and

x = 1-8.

The phenylsilsesquioxanes are free from alkoxysilanes, chlorosilanes, silanols, hexamethyldisiloxanes, organic compounds and inorganic compounds.

USE - Used for the preparation of cosmetic or pharmaceutical compositions, which are rinse off products such as shampoos, shower preparations, shower gels, foam baths, leave on products such as skin care compositions, day creams, night creams, care creams, nourishing creams, body lotions, ointments, sunscreens, lipcare composition and deodorants, hair cures and hair rinses, hair gels, permanent waving composition, hair coloring composition, decorative cosmetic composition e.g. make-up composition, eye shadows, lipsticks and mascara, as spreading agent, dispersant, bodying agent, glidant, conditioner, repellent and luster agent, for cleaning, healing, deodorizing, decorative purposes and in antiperspirant products.

ADVANTAGE - Highly pure (I) have improved spreadability, dispersibility and good compatibility with organic constituents. The liquid has good skin sensory properties and lustrous and hair care effect, and provides good gliding action and carrier action. The emulsions give the skin a good feel, feeling of freshness and comfort, and they have a nourishing effect. The composition is soft, luxurious and non-sticky.

Dwg.0/0

FS CPI

FA AB; DCN

MC CPI: A06-A00E3; A12-V01; A12-V04; B05-B01B; B12-M02B; B12-M05;

B14-R01; D08-B01; D08-B03; D08-B04; D08-B06; D08-B09A1; D08-B09A2;

D08-B09B; D08-B12; D09-E01

TECH UPTX: 20030903

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Process: (I) Are prepared by hydrolyzing a mixture of pure trimethylchlorosilane and pure phenyltrichlorosilane with distilled water. The amount of water is chosen

to form an aqueous layer which comprises less than 25 wt.% hydrochloric acid, and the temperature of the hydrolysis reaction is maintained below 90degreesC in order to form a silicone intermediate. The residual acid is removed from the silicone intermediate. Water is azeotropically removed from the washed silicone intermediate, and converted into a dried silicone intermediate. The silanol groups in the dried silanol intermediate are trimethylsilylated with at least a stoichiometric amount of hexamethyl disiloxane in the presence of an acidic catalyst and phenylsilsequioxane liquids are obtained.

Preferred Compounds: (I) Have a purity of at least 99.5 (preferably at least 99.9) wt.% and viscosities of 5-2000 (25-500) cs, at 25 degrees C.

ABEX

UPTX: 20030903

EXAMPLE - (In weight/weight%) Deionized water (quantity sufficient) was heated to 50-55 degrees C. Rhodapex ES-2 (Sodium laureth (2) sulfate) (49.8), Rhodapon SB-8208/S (sodium lauryl sulfate) (13.6), Crosultaine C-50 (cocamidopropyl) (8.1), Colamid CMA (cocamide MEA) (5.1), Gafquat 734 (RTM; polyquaternium-11) (1.6), Brij 721 (steareth-2) (0.9), Brij 72 (steareth-21) (0.1), SilCare 15M40 (TM; phenyl trimethicone) (1), Panthenol (panthenol) (1), Nipagin M (RTM: methyl paraben) (0.2), Nipasol M (RTM: propyl paraben) (0.1) and Dissolvine Na2 (RTM: disodium EDTA) (0.1), were added one by one to heated water with slow mixing, then cooled to 30-35 degrees C. Fragrance (0.3) was added, mixed until clear, and 2-in-1 conditioning shampoo was obtained.

L126 ANSWER 4 OF 10 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN

AN 2002-452822 [48] WPIX

DNC C2002-128741

TI Silicone gel composition for use in cosmetic formulation comprises low molecular weight volatile organosilicone fluid and elastomeric like silicone matrix produced from four functional oligomeric silicones.

DC A96 D21 E19

IN LEGROW, G E; TERRY, L W; TERRY, W L

PA (CLRN) CLARIANT LIFE SCI MOLECULES FLORIDA INC; (PCRP) PCR INC;

PA (CLRN) CLARIANT LSM FLORIDA INC

CYC 29

PI US 6355724 B1 20020312 (200248)\* 7p C08K005-5419

EP 1219289 A2 20020703 (200251) EN A61K007-48

R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
RO SE SI TR

CA 2364378 A1 20020606 (200252) EN A61K007-48

JP 2002179919 A 20020626 (200257) 28p C08L083-04

ADT US 6355724 B1 US 2000-730913 20001206; EP 1219289 A2 EP 2001-811174  
20011204; CA 2364378 A1 CA 2001-2364378 20011204; JP 2002179919 A JP  
2001-286714 20010920

PRAI US 2000-730913 20001206

IC ICM A61K007-48; C08K005-5419; C08L083-04

ICS A61K007-00; C08G077-38; C08K005-541

AB US 6355724 B UPAB: 20030529

NOVELTY - A silicone gel composition comprises low molecular weight volatile organosilicone fluid and elastomeric-like silicone matrix produced by platinum-catalyzed hydrosilylation curing of four functional oligomeric silicones such as (i) vinyl terminated polydimethylsiloxane, (ii) hydride terminated polydimethylsiloxane, (iii) vinyl functional organosilicone resin, and (iv) hydride functional cross-linker.

DETAILED DESCRIPTION - A silicone gel composition comprises a low molecular weight volatile organosilicone fluid and an elastomeric like silicone matrix produced by platinum catalyst hydrosilylation curing of four functional oligomeric silicones. The organosilicone fluid is selected from decamethylcyclopentasiloxane, dodecamethylcyclohexasiloxane and alkylmethylsiloxane having formula  $RR'Si(OSiMe_3)_2$ . The four functional oligomeric silicones are:

(i) a vinyl terminated polydimethylsiloxane having general formula:  
 $ViMe_2SiO(Me_2SiO)_aSiMe_2Vi$ ;



(ii) a hydride terminated polydimethylsiloxane having formula:  
 $\text{HMe}_2\text{Si}(\text{Me}_2\text{SiO})_b\text{SiMe}_2\text{H}$ ;  
 (iii) a vinyl functional MviMQ organosilicone resin having formula:  
 $(\text{ViMe}_2\text{SiO}_{1/2})_c(\text{Me}_3\text{SiO}_{1/2})_d(\text{SiO}_2)_e$ ; and  
 (iv) a hydride functional cross-linking agent having formula:  
 $\text{HMe}_2\text{SiO}(\text{HMe}_2\text{SiORSiO})_f\text{SiMe}_2\text{H}$ .  
 $\text{R} = 2\text{-}8\text{C}$  monovalent aliphatic or aromatic hydrocarbon substituent;  
 $\text{R}' = \text{methyl}$  and/or  $\text{Me}_3\text{SiO-}$ ;  
 $\text{Me} = \text{methyl}$ ;  
 $\text{Vi} = \text{vinyl}$ ;  
 $\text{M} = \text{Me}_3\text{SiO}_{1/2}\text{-}$ ;  
 $\text{Mvi} = \text{ViMe}_2\text{SiO}_{1/2}$ ;  
 $\text{Q} = \text{SiO}_2$ ;  
 $a$  and  $b = 1\text{-}200$ ;  
 $c$  and  $d = 3\text{-}10$ ;  
 $e = 10\text{-}20$ ; and  
 $f = 1\text{-}3$ .

INDEPENDENT CLAIMS are also included for the following:

(1) A method of producing the silicone gel composition by hydrosilylation curing of 10-20 weight parts (wt.pts) of four functional oligomeric silicones with 10-50 ppm of Karstedt's platinum catalyst, in presence of 8-90 wt.pts of low molecular weight volatile organosilicone fluid. The obtained gel is sheared in presence of 100 wt.pts of same or different additional low molecular weight volatile organosilicone fluid; and

(2) A cosmetic formulation comprising the silicone gel composition.

USE - For skin cosmetic formulation (claimed).

ADVANTAGE - The new, improved silicone gel can be readily and easily spread on the skin. The silicone gel after 15-20 minutes of application to the human skin, results in a smooth, slippery, non-tacky, dull, non-glossy, and water repellent silicone coating on the skin.

DESCRIPTION-OF- DRAWING(S) - The figure shows comparative study of various sensory characteristics of petrolatum with silicone gel in D5 and silicone gel in 41M10 carriers.

Dwg.1/1

FS CPI

FA AB; GI; DCN

MC CPI: A06-A00E3; A08-C; A11-C02; A12-V04C; D08-B09A1; E05-E02B;  
 E05-E02C; E05-E03; E05-N

TECH UPTX: 20030529

TECHNOLOGY FOCUS - POLYMERS - Preferred Composition: The gel composition contains 5-25 weight% (wt.%) preferably 10-20 wt.% of silicone matrix and 75-95 preferably 80-90 wt.% of volatile organosilicone fluid. The silicone matrix is produced from 30-45 wt.% preferably 35-40 wt.% of vinyl terminated polydimethyl siloxane, 25-40 wt.% preferably 30-35 wt.% of hydrated terminated polydimethyl siloxane, 20-35 wt.% preferably 25-30 wt.% of vinyl functional resin and 1-10 wt.% preferably 2.5-5 wt.% of hydride functional cross-linking agent. The weight ratio of total silicon-vinyl equivalency of components (i) and (iii) divided by total silicon hydride equivalency of components (ii) and (iv) is  $1.02 \pm 0.02$ . The concentration of the platinum hydrosilylation catalyst is 10-50 ppm based on the amount of functional components.

TECHNOLOGY FOCUS - INORGANIC CHEMISTRY - Preferred Catalyst: The platinum hydrosilylation catalyst is chloroplatinic acid, Karstedt's catalyst or Ashby's catalyst.

ABEX UPTX: 20030529

SPECIFIC COMPOUNDS - The volatile organosilicone fluid is decamethyl cyclopentasiloxane, dodecamethylcyclohexasiloxane, 3-hexyl heptamethyltrisiloxane, 3-octyl heptamethyl trisiloxane or n-octyl tris(trimethylsiloxyl)silane.

EXAMPLE - A silicone gel was prepared by reacting 10 ppm of Karstedt's

platinum catalyst in 75 g of linear vinyl terminated polydimethyl siloxane of formula  $\text{ViMe}_2\text{SiO}(\text{Me}_2\text{SiO})_5\text{SiMe}_2\text{Vi}$ , 65 g of linear hydrate terminated polydimethylsiloxane having formula:  $\text{HMe}_2\text{SiO}(\text{Me}_2\text{SiO})_{10}\text{SiMe}_2\text{H}$ , 55 g of vinyl functional organosilicone resin having formula:  $(\text{ViMe}_2\text{SiO})_{1/2}^4(\text{Me}_3\text{SiO})_{1/2}^4(\text{SiO}_2)_{12}$  resin, and 5 g of hydride functional cross-linking agent having formula:  $\text{PhSi}(\text{OSiMe}_2\text{H})_3$ , at room temperature in 800 g of decamethylcyclotetrasiloxane. After 24 hours, a hard gel was formed. 500 g of the gel was placed in a blender with an additional 500 g of decamethyl cyclotetrasiloxane. The mixture was sheared and resulting liquid was transferred to a glass jar and covered. After remaining the jar at room temperature 20 hours, the resulting gel was found to be translucent and had consistency similar to petrolatum.

# DEFINITIONS - Preferred Definitions:

R = phenyl;  
a = 25-75;  
b = 5-20;  
c and d = 3-5;  
e = 10-15; and  
f = 1-3

L126 ANSWER 5 OF 10 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN

AN 2001-184318 [19] WPIX

DNC C2001-055384

TI Stable, biocompatible cosmetic or dermatological oil-in-water emulsions, containing fatty acids and alcohols, glycerides, ethoxylated esters, hydrogenated polyisobutene, non-polar lipids, consistency components and **silicone oils**.

DC A25 A26 A96 B07 D21

IN BLECKMANN, A; HAMER, G; RIEDEL, H; SCHNEIDER, G

PA (BEIE) BEIERSDORF AG

CYC 25

PI EP 1072247 A2 20010131 (200119)\* DE 20p A61K007-00

R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
RO SE SI

DE 19934946 A1 20010201 (200119) A61K007-00

ADT EP 1072247 A2 EP 2000-114108 20000710; DE 19934946 A1 DE 1999-19934946  
19990726

PRAI DE 1999-19934946 19990726

IC ICM A61K007-00

ICS A61K007-48; **A61K009-107**

AB EP 1072247 A UPAB: 20010405

NOVELTY - Cosmetic or dermatological oil-in-water emulsion preparations (I) containing fatty acid(s), fatty acid mono- and/or diglyceride(s), ethoxylated fatty acid ester(s), hydrogenated polyisobutene, non-polar lipid(s), **silicone oil**(s), fatty alcohol(s) and lipophilic consistency source(s) having a melting pt. or drop point at least 30 deg. C, is new.

DETAILED DESCRIPTION - Cosmetic or dermatological oil-in-water emulsion preparations (I) contain (by weight):

- (a) 0.1-5% 14-22C fatty acid(s);
- (b) 0.2-10% fatty acid mono- and/or diglyceride(s);
- (c) 0.1-5% ethoxylated fatty acid ester(s);
- (d) 0.5-10% hydrogenated polyisobutene of molecular weight 100-4000;
- (e) 0.5-10% non-polar lipid(s);
- (f) 0.5-10% **silicone oil**(s);
- (g) 0.5-7.5% fatty alcohol(s); and
- (h) 0.5-7.5% lipophilic consistency source(s) having m.pt. or drop point at least 30 deg. C.

The sum of the contents of (a)-(c) is at most 12%; The sum of the contents of (d)-(f) is at most 25%, and the lipid phase optionally contains up to 40% (based on this phase) of polar lipids.

USE - (I) is useful as a base for cosmetic preparations (e.g.

cleaning emulsions, face- or body-care preparations or make-up) or topical medicinal compositions (e.g. for treating acne or other skin disorders). Typical formulations are creams, lotions or milks. (I) may be used in combination with a wide range of active agents, e.g. UV filters, antioxidants, deodorants, steroids, vitamins, plant extracts or refatting agents.

ADVANTAGE - (I) has high emulsion stability (even in the presence of high concentrations of electrolytes) and good stability against decomposition in both phases. It is biocompatible and well tolerated by the skin and has good skin care effects (especially moisturizing and smoothing actions). It has a pleasant feeling on the skin (i.e. is not sticky or greasy) and is an effective carrier for active agents. When used in make-up compositions (I) additionally has a matting effect. (I) may be formulated as free-flowing forms or creams.

Dwg.0/0

FS CPI

FA AB; DCN

MC CPI: A06-A00E3; A10-E07C; A10-E13; A12-V01; A12-V04C; B04-B01A; B04-B01B; B04-B01C; B05-B01B; B10-C04E; B10-E04C; B10-E04D; B12-M02B; B14-N17; B14-R01; D08-B10

TECH UPTX: 20010405

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Composition: (b) is glyceryl stearate. (c) is polyethylene glycol (PEG)-20 to PEG-100 stearate. (I) contains 0.5-1.0% (a), 2.5-3.0% (b), 1.0-1.5% (c), 0.5-10% mineral oil and/or mineral wax (e.g. vaseline) as (e), 5-8% (f) (especially cyclomethicone), 2.0-3.0% (g) and 1.5-2.5%.

TECHNOLOGY FOCUS - POLYMERS - Preferred Materials: (c) is polyethylene glycol (PEG)-20 to PEG-100 stearate. (f) is cyclomethicone

ABEX UPTX: 20010405

EXAMPLE - A composition (pH 6.5) comprised (by weight) 2% stearic/palmitic acid, 2% polyethylene glycol-40 stearate, 2% glyceryl stearate, 3% cetylstearyl alcohol, 7% hydrogenated polyisobutene, 4% petrolatum, 9% cyclomethicone, 2% glycerol lanolate, 4% glycerol, perfume/preservative/dye/antioxidant (q.s.) and water to 100%.

L126 ANSWER 6 OF 10 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN

AN 1999-339931 [29] WPIX

DNC C1999-100187

TI New alkyl-ammonium alkyl phosphate salts - useful as emulsifiers in cosmetic and pharmaceutical emulsions.

DC B07 D21 E11

IN LOEFFLER, M; TUROWSKI-WANKE, A

PA (CLRN) CLARIANT GMBH

CYC 27

PI EP 924217 A1 19990623 (199929)\* DE 13p C07F009-11

R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

DE 19756373 A1 19990624 (199931) C07F009-10

JP 11246571 A 19990914 (199948) 7p C07F009-11

US 6448297 B1 20020910 (200263) G01F003-08

ADT EP 924217 A1 EP 1998-123152 19981204; DE 19756373 A1 DE 1997-19756373 19971218; JP 11246571 A JP 1998-359604 19981217; US 6448297 B1 Cont of US 1998-213654 19981216, US 2000-585115 20000601

PRAI DE 1997-19756373 19971218

IC ICM C07F009-10; C07F009-11; G01F003-08

ICS A61K007-48; B01F017-14; G01F017-14

AB EP 924217 A UPAB: 19990723

Alkyl phosphates of formula (I) are new. (RO)PO(OX)(OY) (I) R = 12-22C alkyl; X = NH3R1, NH2R2R3 or NHR4R5R6; Y = R or X; R1 = 8-22C alkyl; R2, R3 = 1-22C alkyl or cyclohexyl; and R4-R6 = 1-4C alkyl.

USE - (I) are useful (preferably in amounts of 0.1-5 weight%) as emulsifiers for preparing o/w or w/o emulsions, especially cosmetic and

pharmaceutical emulsions (preferably in the form of mixtures containing 0-10 weight% of the corresponding triesters or mixtures in which X and/or Y is a mixture of 12-22C alkylammonium and alkali metal cations).

ADVANTAGE - (I) are highly effective in lowering interfacial tension, have high stability even at elevated temperatures and have low sensitivity to electrolytes and acids.

Dwg.0/0

FS CPI

FA AB; DCN

MC CPI: B05-B01B; B12-M03; B14-R01; D08-B; E05-G09C; E05-G09D; E10-B04C

L126 ANSWER 7 OF 10 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN

AN 1996-105272 [11] WPIX

DNC C1996-033277

TI Novel alkyl polyether siloxane(s) - useful as conditioning agents in personal care compsns..

DC A25 A26 A96 D21 E11

IN COBB, V S; GUTER, B I; LE, GROW G E; COBB, V S E; LEGROW, G E

PA (DOW) DOW CORNING CORP

CYC 9

PI US 5488124 A 19960130 (199611)\* 5p C07F007-08

EP 726287 A2 19960814 (199637) EN 5p C08G077-46

R: DE ES FR GB IT

CA 2168512 A 19960814 (199648) C07F007-18

JP 08277330 A 19961022 (199701) 6p C08G077-46

EP 726287 A3 19970312 (199722) C07F007-08

EP 726287 B1 19980429 (199821) EN 7p C08G077-46

R: DE ES FR GB IT

DE 69600259 E 19980604 (199828) C08G077-46

ES 2118660 T3 19980916 (199848) C08G077-46

MX 192618 B 19990712 (200061) C08G077-006

ADT US 5488124 A US 1995-387515 19950213; EP 726287 A2 EP 1996-300886

19960209; CA 2168512 A CA 1996-2168512 19960131; JP 08277330 A JP

1996-23952 19960209; EP 726287 A3 EP 1996-300886 19960209; EP 726287 B1 EP

1996-300886 19960209; DE 69600259 E DE 1996-600259 19960209; EP

1996-300886 19960209; ES 2118660 T3 EP 1996-300886 19960209; MX 192618 B

MX 1996-554 19960209

FDT DE 69600259 E Based on EP 726287; ES 2118660 T3 Based on EP 726287

PRAI US 1995-387515 19950213

REP No-SR.Pub; EP 307605; EP 711776

IC ICM C07F007-08; C07F007-18; C08G077-006; C08G077-46

ICS A61K007-00; A61K007-48; C08G077-18

AB US 5488124 A UPAB: 19970320

Novel alkylpolyether siloxanes are of formula (I)-(VIII):  $\text{RSi}(\text{OSiMe}_2\text{Q})_3$  (I),  $(\text{QMe}_2\text{SiO})_2\text{-Si(R)-O-Si(R)-OSiMe}_2\text{Q}_2$  (II),  $\text{RSi}(\text{OSiMe}_2\text{Q})_z(\text{OSiMe}_2\text{Q}')_{3-z}$  (III),  $(\text{QMe}_2\text{SiO})_2\text{-Si(R)-O-Si(R)-OSiMe}_2\text{Q}'_2$  (IV),  $\text{RSi}(\text{Me}_2)_x\text{OSiMe}_2\text{Q}_3$  (V),  $(\text{QMe}_2\text{SiO})_x(\text{Me}_2\text{SiO})_x)_2\text{Si(R)O(R)Si}((\text{OSiMe}_2)_x\text{OSiMe}_2\text{Q})_2$  (VI),  $\text{RSi}((\text{OSiMe}_2)_x(\text{OSiMe}_2\text{Q}))_z((\text{OSiMe}_2)_x(\text{OSiMe}_2\text{Q}'))_{3-z}$  (VII),  $(\text{QMe}_2\text{SiO})_x(\text{Me}_2\text{SiO})_x)_2\text{Si(R)O(R)Si}((\text{OSiMe}_2)_x\text{OSiMe}_2\text{Q}')_2$  (VIII). R = 2-18C opt. branched alkyl; Q, Q' = same or different radical containing oxyethylene, oxypropylene or oxybutylene gps. or mixts., randomly arranged on the siloxane, or (for (V)-(VIII) only) Q = only oxyethylene or oxybutylene; z = 1 or 2; x = 1-200.

USE - (I)-(VIII) are conditioning agents useful in personal care compsns. applied to human skin.

Dwg.0/0

FS CPI

FA AB; DCN

MC CPI: A05-H01B; A06-A00E3; A12-V04C; D08-B; E05-E02C

L126 ANSWER 8 OF 10 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN

AN 1988-251950 [36] WPIX

DNC C1988-112323

TI Multiphase oil-in-water in silicone fluid emulsion -  
useful as skin moisturiser and carrier for drugs or cosmetics.

DC A96 B07

IN FIGUEROA, R; HARRISON, B G; SANOGUEIRA, J P; SANOGUEIR, J P

PA (RICK) RICHARDSON VICKS INC

CYC 15

PI EP 281394 A 19880907 (198836)\* EN 7p  
R: AT BE CH DE ES FR GB GR IT LI LU NL SE

US 4960764 A 19901002 (199042)

CA 1311194 C 19921208 (199303) A61K007-48

ADT EP 281394 A EP 1988-301849 19880303; US 4960764 A US 1989-312347 19890215;  
CA 1311194 C CA 1988-560635 19880304

PRAI US 1987-22876 19870306

REP 1.Jnl.Ref; A3...9020; EP 160430; EP 76146; FR 2326914; GB 2139919;  
No-SR.Pub; US 4254105

IC ICM A61K007-48

ICS A61K031-69

AB EP 281394 A UPAB: 19930923

Emulsion (A) comprises (1) continuous phase consisting mainly of at least one liquid organopolysiloxane (I); (2) aqueous discontinuous phase comprising oil-in-water emulsion of non-particulate cosmetically acceptable oily liquid dispersed in an aqueous phase; and (3) dimethicone copolyol (II) as dispersant.

(I) is a volatile cpd. e.g. cyclic -(OSi(Me)<sub>2</sub>O)<sub>n</sub>-(n=4,5 or 6) or hexamethyldisiloxane, and/or a non-volatile cpd. e.g. (II); di(m)ethylpolysiloxane; mixed 1-3C alkyl-polysiloxane; phenyl-dimethicone or high mol. weight dimethicone of average mol. weight 0.2-1 million.

USE/ADVANTAGE - (A) has excellent skin moisturising properties and can be used as a base for cosmetic and topical drug formulations.

0/0

FS CPI

FA AB; DCN

MC CPI: A06-A00E3; A12-V04C; B01-D02; B04-B01C3; B04-C03D; B05-B01B  
; B10-G02; B12-A07; B12-L02; B12-M03

ABEQ US 4960764 A UPAB: 19930923

New oil-in-water-in -silicone fluid emulsion comprises 15-70% wt. silicone fluid continuous phase consisting of one or more organopolysiloxanes and 30-80 % wt. aq. discontinuous phase comprising oil-in-water emulsion of cosmetically-acceptable oily liq. non-particulate phase dispersed in aq. phase and 0.5-5 % wt. dimethicone copolyol dispersed.

Volatile organopolysiloxane may be octamethylcyclotetrasiloxane, or deca- or dodeca-homologs, or hexamethyldisiloxane. Alternatively a non-volatile liq. organo-polysiloxane may be dimethyl-, diethyl- or 1-3C -alkyl-polysiloxane, Phdimethicone, dimethiconol, and dimethiconone of MW. 2-10 x 10<sup>5</sup>. Pref. volatile : non-volatile cpds. are in ratio 5:1 to 25:1. Oily liq. phase may be heavy mineral oil, cholesterol, and cetyl palmitate in wt. ratio 10:5:1.

USE - Multiphase moisturiser.

L126 ANSWER 9 OF 10 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN

AN 1987-217764 [31] WPIX

DNC C1987-091657

TI Silicone oil based gel compsn. for application to skin  
- comprises cyclic di methyl polysiloxane, ester and dextrin fatty acid ester.

DC A96 B07 D21 E11 E17

PA (SHIE) SHINETSU CHEM IND CO LTD

CYC 1

PI JP 62143971 A 19870627 (198731)\* 5p

JP 03006180 B 19910129 (199108)

ADT JP 62143971 A JP 1985-284930 19851217; JP 03006180 B JP 1985-284930

19851217

PRAI JP 1985-284930 19851217

IC A61K007-00; A61K047-00; C08K005-01; C08L003-02; C08L083-04

AB JP 62143971 A UPAB: 19930922

Gel compsns. consists of (A) 30-90 pts.weight cyclic dimethyl polysiloxane of formula (I).  $n = 3-6$ . (B) 5-50 pts.weight mixture of one or two esters of 8-24C fatty acid and 1-24C aliphatic alcohol, or 10-40C aliphatic-hydrocarbon and (C) 5-30 pts.weight dextrin fatty acid ester.

The compsns. is obtd. by mixing (A), (B) and (C) at 500-100 deg.C with stirring, then cooling the mixture Pref. (B) is myristic acid isopropyl myristic acid butyl, isooctylic acid cetyl dioleic acid propylene glycol, caprylic acid triglycerid, etc.

USE/ADVANTAGE - The compsns. do not contain filler such as silica. Principal material is **silicone oil** which is useful for the base of cosmetics or medical supplies. When the compsns. is applied to skin, it spreads well. After application, cyclic dimethyl polysiloxane is volatilised, so the wet feeling does not remain for any length of time.

O/O

FS CPI

FA AB; DCN

MC CPI: A06-A00E3; A12-V01; A12-V04C; B04-C02B; B05-B01B;

B10-G02; B12-M03; D08-B10; E05-E01;

E10-E04G; E10-G02G; E10-G02H

L126 ANSWER 10 OF 10 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN

AN 1982-03953E [03] WPIX

TI Transparent aqueous **silicone oil** emulsion - containing poly ol or polyether as optical control agent, especially for skin care formulations.

DC A26 A96 B04 D21

IN THIMINEUR, R J; TRAVE, F J

PA (GENE) GENERAL ELECTRIC CO; (ENGE) GENERAL ELECTRIC CO PLC

CYC 8

PI BE 889448 A 19811230 (198203)\* 24p

GB 2079300 A 19820120 (198203)

FR 2485923 A 19820108 (198207)

NL 8103129 A 19820201 (198209)

JP 57044656 A 19820313 (198216)

DE 3125333 A 19820422 (198217)

GB 2079300 B 19840426 (198417)

CA 1211595 A 19860916 (198642)

IT 1137267 B 19860903 (198809)

JP 63059422 B 19881118 (198850)

ADT GB 2079300 A GB 1981-18131 19810612; JP 57044656 A JP 1981-101383 19810701

PRAI US 1980-164880 19800701

IC A61K007-00; A61K009-10; A61K047-00; B01F017-54; C08J003-02; C08K005-06; C08L071-02; C08L083-04; C09D003-82; C11D003-37; D06M015-66

AB BE 889448 A UPAB: 19930915

Production of transparent **silicone** emulsions comprises first emulsifying a **silicone oil** (I) as discontinuous phase with an aqueous continuous phase in presence of at least one emulsifier to form a non-transparent emulsion. This is then combined with an optical control agent (II) to form the transparent emulsion. (II) is a water-soluble polyol or polyether, e.g. glycerine, sorbitol, polyalkylene glycol, polyether polymers containing amino gps. or quat. polyethoxylated ammonium chlorides (these can be copolymerised with a polydiorganosiloxane).

Pref. (I) is a polydimethylsiloxane; the emulsifier is nonionic (e.g. ethoxylated fatty acid or sorbitan esters); anionic (e.g. alkylbenzene sulphonate) or cationic (polyethoxylated quat. ammonium salts). The emulsions themselves are claimed.

The emulsions are partic. formulated with a skin-care agent (cosmetic or pharmaceutical), especially for use as deodorants or antiperspirant. They

can

also be used to make hair-care formulations; mould-release or 'antiadhesive' compsns.; textile softeners, etc. Stable emulsions of up to 80% (I) content can be prepared

FS CPI

FA AB

MC CPI: A06-A00B; A08-M09; A08-S05; A09-A02; A12-V04; B04-C03;

B05-B01B; B10-A07; B10-E04C; B12-M03;

B12-M09; D08-B03; D08-B09

ABEQ GB 2079300 B UPAB: 19930915

A method of formulating an optically clear **silicone** emulsion which comprises: (a) forming a non-transparent **silicone** oil and water emulsion by combining a discontinuous phase of polydiorganosiloxane oil, with a continuous phase of water, and an emulsifying agent or mixture of emulsifying agents; and (b) adjusting the optical clarity of the non-transparent emulsion by combining it with an optical index adjusting agent which is a water soluble polyol or polyether in an amount to render the non-transparent emulsion optically clear.

=> d his

(FILE 'HOME' ENTERED AT 13:55:17 ON 26 NOV 2003)  
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 13:55:24 ON 26 NOV 2003

L1 1 S US20030082128/PN  
SEL RN

FILE 'REGISTRY' ENTERED AT 13:57:26 ON 26 NOV 2003

L2 10 S E1-E10

FILE 'HCAPLUS' ENTERED AT 13:58:43 ON 26 NOV 2003

E CYCLOMETHICONE/CT

E E3 ALL

E CYCLOMETHICONE/CT

E E3+ALL

L3 1190 S E2

E CYCLOSILOXANE/CT

E E29+ALL

L4 3134 S E7

L5 793 S E6

L6 4543 S E14-E19

E SILOXANE/CT

L7 8040 S E205

L8 54838 S E212

E E205+ALL

L9 39466 S E2

L10 105752 S L3-L9

L11 17066 S L10 (L) (DIMETHYL OR DIME OR DI() (ME OR METHYL))

L12 416 S L10 (L) (DIETHYL OR DIET OR DI() (ET OR ETHYL))

L13 74 S L10 (L) (DIMETHYLETHYL OR DI ME ET OR DIMETHYL ET OR DIME ET)

L14 3573 S DIMETHYLPOLYSILOXANE OR DIETHYLPOLYSILOXANE OR DIMETHYLETHYLP

L15 958 S (DIMETHYL OR DIETHYL OR DIMETHYLETHYL) (L) POLYSILOXANE OR CYCL

L16 17043 S SILICON#(2A)OIL

L17 115106 S L3-L16

E LEGROW G/AU

L18 79 S E3-E8

E KLUG P/AU

L19 69 S E3,E8

E SIMSCH W/AU

L20 7 S E4

L21 42 S L18-L20 AND L17

E CLARIANT/PA,CS  
L22 1378 S CLARIANT?/PA,CS  
L23 62 S L17 AND L22  
L24 98 S L21,L23

FILE 'REGISTRY' ENTERED AT 14:32:12 ON 26 NOV 2003

L25 2 S (DIMETHICONOL OR DIETHICONOL)/CN  
L26 1 S 56275-01-5

FILE 'HCAPLUS' ENTERED AT 14:32:33 ON 26 NOV 2003

L27 1215 S L25 OR L26  
L28 4 S L18-L20,L22 AND L27  
L29 98 S L24,L28  
L30 115340 S L17,L27  
L31 250 S ORGANIC OIL  
L32 2352 S OIL#/CW (L) ORGANIC  
L33 100 S L30 AND L32,L32  
E HYDROCARBON/CT  
L34 34492 S E6  
L35 879 S E18,E20,E24  
L36 127136 S E68  
L37 6312 S E135  
L38 4852 S E136  
L39 30 S E141,E142  
L40 417 S E155  
L41 15807 S E165,E166  
L42 225830 S HYDROCARBON#/CW  
L43 4355 S L30 AND L34-L42  
E ESTERS/CT  
L44 1697 S L30 AND ESTER#/CW  
E FATTY ACIDS/CT  
L45 2868 S L30 AND E3  
L46 2868 S (FATTY(L)ACID#)/CW AND L30  
E ALCOHOLS/CT  
E ALCOHOLS (L) FATTY/CT  
L47 834 S E3-E8 AND L30  
E TRIGLYCERIDE/CT  
E E9+ALL  
L48 960 S E2 AND L30  
L49 960 S GLYCERIDE#/CW AND L30  
E PERFLUOR/CT  
E E77+ALL  
L50 128 S E2 AND L30  
E MONOGLYCERIDE/CT  
L51 181 S E6 AND L30  
E SUGAR ESTER/CT  
E E4+ALL  
L52 30 S E2 AND L30  
L53 18944 S L30 AND (HYDROCARBON OR PERFLUOR?(L)HYDROCARBON OR FLUOR?(L)H  
E ALIPHATIC HYDROCARBON/CT  
E ALIPHATIC/CT  
E E10+ALL  
L54 14 S E2 AND L30  
L55 19849 S L33,L43-L54

FILE 'REGISTRY' ENTERED AT 14:42:43 ON 26 NOV 2003

L56 STR  
L57 50 S L56  
L58 77076 S L56 FUL  
L59 STR L56  
L60 50 S L59 SAM SUB=L58  
L61 25444 S L59 FUL SUB=L58



FILE 'HCAPLUS' ENTERED AT 14:45:29 ON 26 NOV 2003

L62 1046 S L61 AND L55  
L63 7 S L24 AND L62  
L64 9 S L2 AND L24  
L65 10 S L1,L63,L64  
SEL RN

FILE 'REGISTRY' ENTERED AT 14:47:03 ON 26 NOV 2003

L66 72 S E1-E72  
L67 38 S L66 AND SI/ELS  
L68 19 S L67 AND SI>=3  
L69 19 S L67 NOT L68  
L70 3 S L69 AND L2,L25,L26  
L71 22 S L68,L70

FILE 'HCAPLUS' ENTERED AT 14:49:47 ON 26 NOV 2003

L72 10 S L71 AND L65

FILE 'REGISTRY' ENTERED AT 14:52:24 ON 26 NOV 2003

L73 1 S 9016-00-6  
L74 1 S 18748-98-6

FILE 'HCAPLUS' ENTERED AT 14:52:47 ON 26 NOV 2003

L75 358 S L62 AND COSMETIC#/SC,SX  
L76 251 S L62 AND COSMETIC#/CW  
E COSMETICS/CT  
E E3+ALL  
L77 347 S L62 AND E2,E1+NT  
L78 126 S L62 AND E30+NT  
L79 105 S L62 AND PHARMACEUT?/SC,SX  
E DRUG/CT  
E E18+ALL  
L80 33 S L62 AND E3,E4,E2+NT  
L81 129 S L75-L80 AND ?EMULS?  
L82 114 S L75-L80 AND MIX?  
L83 8 S L75-L80 AND FREE(L) SURFACTANT  
L84 17 S L72,L83  
L85 7 S L81,L82 AND L84  
L86 137 S L75-L85 AND HAIR  
L87 121 S L86 AND (PD<=20011024 OR AD<=20011024 OR AD<=20011024)  
L88 79 S L87 NOT POLYOXYALK#/CW  
L89 76 S L88 NOT ONIUM/CW  
L90 53 S L89 NOT SURFACTANT#/CW  
L91 45 S L90 NOT AMINO  
L92 43 S L91 NOT VINYL/CW  
L93 41 S L92 NOT AMINE#/CW  
L94 36 S L93 NOT ?CELLULOS?  
L95 34 S L94 NOT (POLYAMINE# OR POLYAMIDE#)/CW  
L96 5 S L95 AND SILICON# OIL  
L97 10 S L95 AND SILICON#(L)OIL  
L98 10 S L96,L97  
L99 9 S L98 NOT VINYL/TI  
L100 18 S L65,L99  
L101 23 S L95 NOT L96-L100  
SEL HIT RN L100

FILE 'REGISTRY' ENTERED AT 15:08:48 ON 26 NOV 2003

L102 23 S E1-E23  
L103 18 S L102 NOT (N/ELS OR C13H22O3SI2 OR C9H22O3SI2 OR C8H20O3SI2)

FILE 'HCAPLUS' ENTERED AT 15:11:26 ON 26 NOV 2003

L104 6309 S L103  
SEL HIT RN L100

DEL SEL  
L105 1 S L100 NOT L104  
L106 17 S L100 NOT L105

FILE 'REGISTRY' ENTERED AT 15:13:39 ON 26 NOV 2003

FILE 'HCAPLUS' ENTERED AT 15:13:59 ON 26 NOV 2003

FILE 'HCAPLUS' ENTERED AT 15:14:10 ON 26 NOV 2003

FILE 'REGISTRY' ENTERED AT 15:15:14 ON 26 NOV 2003

FILE 'WPIX' ENTERED AT 15:15:59 ON 26 NOV 2003

L107 1 S US20030082128/PN  
L108 924 S C07F007-02/IC, ICM, ICS  
L109 9 S L108 AND A61K047/IC, ICM, ICS  
L110 1 S A61K009-107/IC, ICM, ICS AND L108  
L111 6447 S (B05-B01B OR C05-B01B)/MC  
L112 2043 S E05-E02C/MC  
L113 9226 S L108, L111, L112  
L114 83 S L113 AND (E10-E04G OR E10-E04L4 OR E10-E04L5 OR E10-G02H2 OR  
L115 778 S L113 AND (B04-D01 OR C04-D01 OR B10-E04C OR C10-E04C OR B10-E  
L116 827 S L114, L115  
L117 64 S L116 AND (B12-M03 OR C12-M03 OR B12-M05 OR C12-M05)/MC  
L118 14 S L116 AND A61K009-107/IC, ICM, ICS, ICA, ICI  
L119 70 S L117, L118  
L120 30 S L119 AND SILICON?(L)OIL#/BIX  
SEL DN AN 1 5 18 23 24 30  
L121 6 S L120 AND E1-E11  
L122 12 S L113 AND (LEGROW ? OR KLUG ? OR SIMSCH ?)/AU  
L123 15 S L113 AND CLARIAN?/PA  
L124 24 S L122, L123  
SEL DN AN 1 2 5 15 19  
L125 5 S L124 AND E12-E21  
L126 10 S L121, L125 AND L107-L125

FILE 'WPIX' ENTERED AT 15:35:46 ON 26 NOV 2003

=>